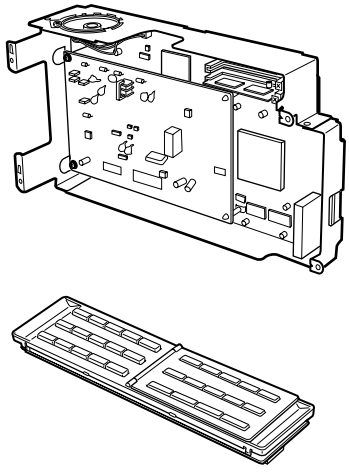
SHARP SERVICE MANUAL

CODE : 00ZARFX11/A1E



LASER PRINTER OPTIONS
FAX EXPANSION KIT
(For U.S,A., Canada, U.Kingdom, German, France)

MODEL AR-FX11

OPTION AR-MM9

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Parts marked with "⚠" are important for maintaining the safety of the set.
Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

SHARP CORPORATION

This document has been published to be used for after sales service only.
The contents are subject to change without notice.

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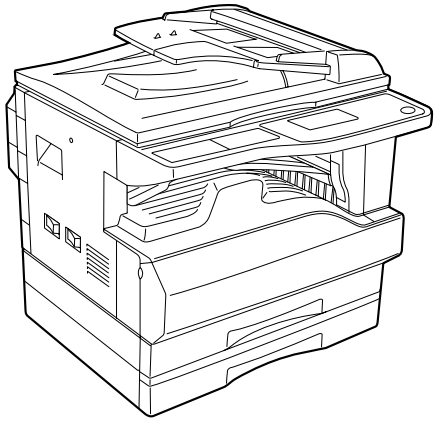
[1] PRODUCT OUTLINE

This unit provides the FAX function and the PC-FAX function when installed to the following machines:

Machines to install this unit :

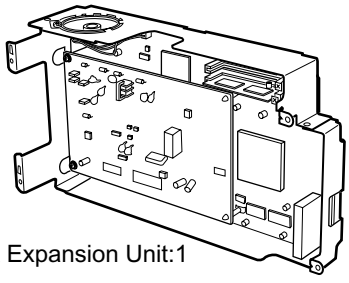
- AR-M207
- AR-M165
- AR-M162

[2] CONFIGURATION

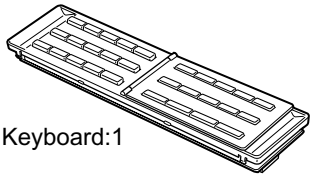


Extended memory
<AR-MM9>

* Installed to FAX MAIN PWB.



FAX Expansion Unit:1



FAX Keyboard:1

<AR-FX11>

[3] SPECIFICATIONS

1. Fax Function Specification

(1) Original

Original stack capacity	40 sheets.
Scan cycle	23opm.

(2) Compression Method

MH, MR, MMR, JBIG.

(3) Image Process

Half tone reproduction	Equivalent to 256 levels.
Exposure adjustment	Auto and Manual (5 steps).
Resolution	STANDARD (8dot/mm x 3.85line/mm).
	FINE (8dot/mm x 7.7line/mm).
	SUPER FINE (8dot/mm x 15.4line/mm).
	ULTRA FINE (16dot/mm x 15.4line/mm).

(4) Specified Destination

Specified destination	Specified by Dial, Rapid, Speed or Group destination entry.
Rapid keys(Max. number of keys to be stored)	50 destinations (including Group).
Speed	300.
Program	Yes (9).
Manual destination entry	Input via the numeric keys.
Chain dialing	Yes (Pause Key).
Redial	The number last entered through the only single address sending is stored (Except time setting, Sub address and Passcode).
Speed dialing	This is used to recall address control number by using numeric keys.

(5) Specified Multiple Destinations

Specified destination	Specified by Rapid, Group, Speed or manual destination entry (Broadcasting is not allowed when sub address is registered).
Broadcast transmission	Yes(F code inputting from ten key is excepted in the address containing F code).
Sequential broadcasting	Yes (200 destinations).
Multi-polling	Yes.

(6) Functions

Transmit function	Memory transmit		Yes.
	Speaker		Yes.
	Quick online transmit		Yes.
	Direct transmit		Yes.
	Manual transmit		With speaker.
	R-Key		Speaker Key is set to R-Key (Only for SEEG).
	Auto reduction transmit		Yes(Original is reduced and sent according to the receiving-side machine).
	Rotation transmit		Yes.
	Scaling transmit		Yes (Scaling from regular size to regular size only. No rotation enlargement allowed).
	Recall mode	Error	Yes.
		Busy	Yes.
			Number of times/interval is set via Key operator program.
	Book original transmit		Yes.
	Long length original transmit		Yes.
			Max.800m.
	Verification stamp		No.

Transmit function	Maximum number of sender registered	1 sender.
	Maximum number of transmission reserved	50 jobs.
Receive function	Auto receive	Yes.
	Manual receive	Yes.
	Memory receive	Yes.
	Reduction receive for standard size	Yes.
	Rotation receive	Yes.
	Divided receive	Yes: To be defined by Key operator program.
	Duplex receive	Yes.
	2 in 1 receive	No.
	Only designated number receiving enabled	No.
	Enter junk fax number	Yes (Up to 50numbers, 20digits).
	External phone connection	Yes.
	Answering phone connection	No (To avoid patent infringement).
	Transfer function at output trouble	Yes.
	Auto startup mode	No.
Special function	Time setting	Yes.
	Transmit request	Yes.
	Remote transmit	Yes.
	Cover function	Yes.
	Print at sender	Yes (Always ON) (On/Off is possible to set only for Japan).
	Page division	Yes.
	Page combination	No.
	Confidential (machine at the other end)	Yes (F code method).
	Relay broadcast direction	Yes (F code method).
	Transmit message	Yes.
	Edge erase	No.
	Center erase	No.
	Multi shot	No.
	Card shot	No.
Report/List function	Confidential receive check list	Yes.
	Program list	Yes.
	Relay group list	No.
	ID sender list	No.
	Transmit/receive record	Yes.
	Reserved transmit list	Yes.
	Original storage check list	Yes.
	Rapid dial list	Yes.
	Speed dial list	Yes.
	Group dial list	Yes.
	Phone directory list	Yes.
	Key operator program list	Yes.
	Confidential ID list	No.
	F-code setting check list	Yes.
	Account number list	No.

Report/List function	Account control record	Yes.
	Enter junk fax number list	Yes.
	Transaction report	Yes.
	Confidential registration list	Yes.
	Transmission cancel list	Yes.
Others	Account control	50 accounts.

(7) Transmission Method

Transmission time	2 seconds (level: Super G3 /33600bps). 6 seconds (G3 ECM/14400bps).
Modem speed	33.6kbps -> 2.4kbps automatic fallback
Intercommunication	Super G3 / G3.
Communicationline	General telephone line (PSTN), Private branch (PBX), Fax line.
ECM	Yes.
R-Key	Available only for SEEG (with PBX setting).

(8) Record Size

Max. record width	293mm.
Record size	A3 - A5 (depends on destination). 11” x 17” - 5.5” x 8.5” (depends on destination).

(9) F-Code Transmission

Sub address	Yes.
Passcode	Yes.

(10)Other FAX Related Function/Remarks

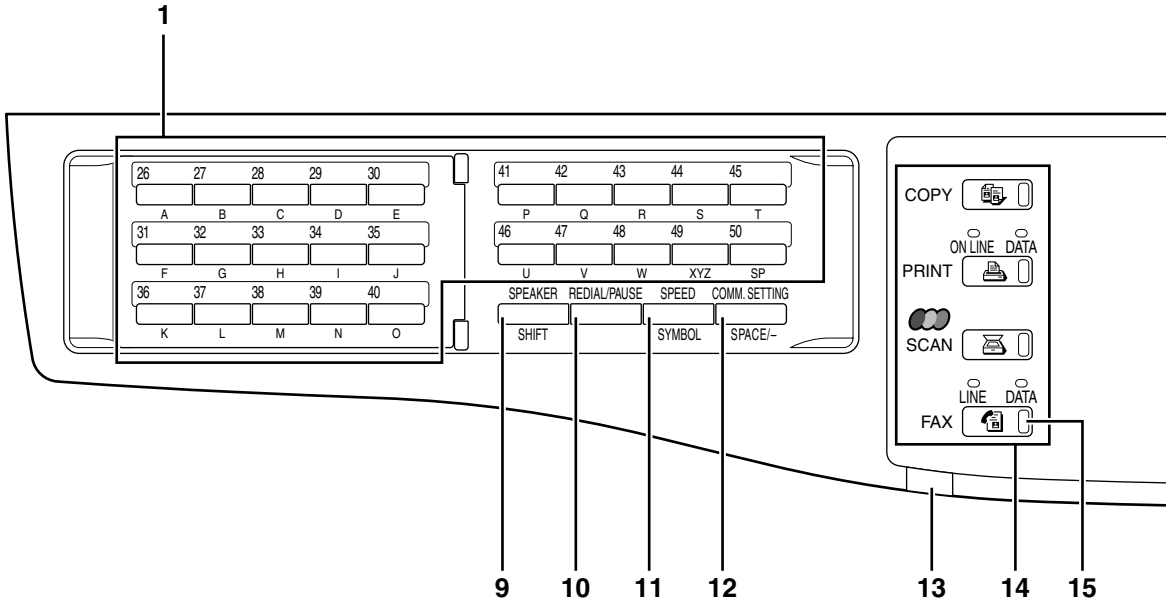
FAST system support

PSTN supporting FAST

- SEC only

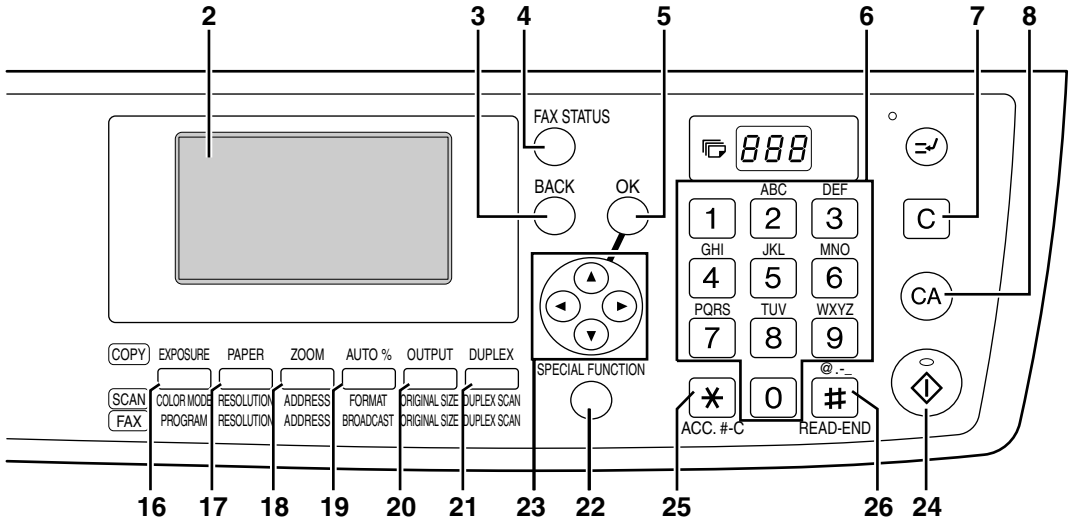
[4] EXTERNAL VIEWS AND INTERNAL STRUCTURES

1. Operation panel

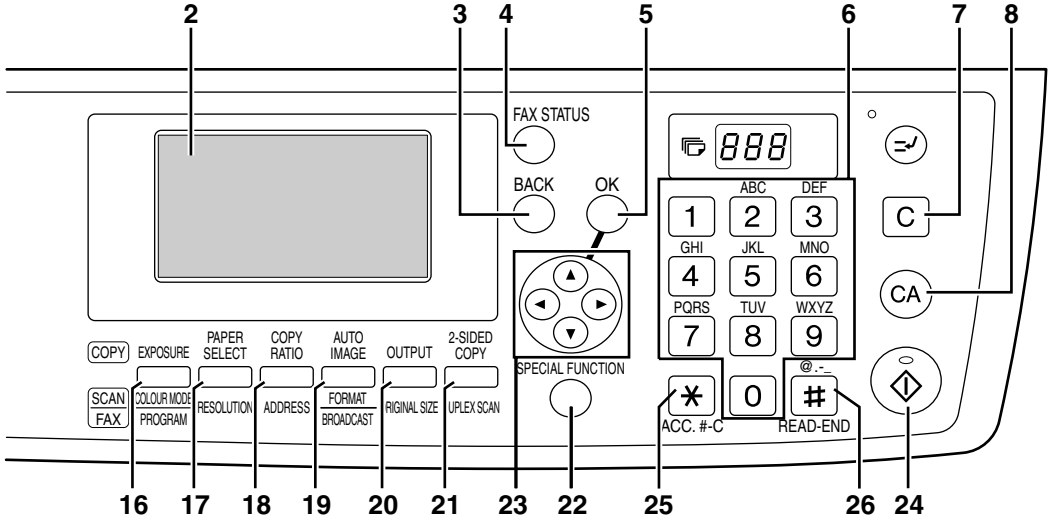


1	Page pallet	These are used in fax mode.
2	Display	This key displays the base screen and the function setting screen.
3	[BACK] key	In a setting or programming screen, this key is used to move back to the previous screen.
4	[FAX STATUS] key	This is used to cancel a fax transmission or a stored fax transmission.
5	[OK] key	This key is used to enter a setting that has been selected with the arrow or other keys.
6	Numeric keys	These are used to enter fax numbers, sub-addresses, passcodes, and numerical settings.
7	[C] key	This is used to clear a mistake when entering fax numbers, sub-addresses, passcodes, and numerical settings. One digit is cleared each time the key is pressed.When an original is being scanned, this key can also be used to cancel scanning.
8	[CA] key	This is used to cancel a transmission or programming operation. When pressed during an operation, the operation is canceled and the display returns to the base screen described on page *4 - 3*.This key is also used to cancel a resolution, paper size, or special function setting that was selected when sending a fax.
9	[SPEAKER/SHIFT] key	This is used to dial without lifting the handset and to shift between upper and lower case when entering characters.
10	[REDIAL/PAUSE] key	This is used to redial the last number dialed, and enter a pause when entering a fax number.
11	[SPEED/SYMBOL] key	This is used to dial by Speed dialing and to enter a symbol when entering characters.
12	[COMM. SETTING/ SPACE/-] key	This is used to switch between memory transmission and direct transmission, and to switch between automatic reception and manual reception. It is also used to enter a space or "-" when entering characters.
13	Information lamp	Information lamp blinks, when facsimile is received, or when the paper remains in the tray.

For U.S.A.



For other country



14	[MODE SELECT] keys	These are used these keys to change modes.
15	[FAX] key/ FAX indicator/LINE indicator/DATA indicator	Press to switch to fax mode. The base screen of fax mode will appear in the display. The LINE indicator lights up during transmission or reception of a fax. When a fax has been received, the DATA indicator blinks. (When there is fax transmission data in memory, the DATA indicator lights up.)
16	[PROGRAM] key	Press this key to use a program.
17	[RESOLUTION] key	This key is used to select resolution and exposure settings.
18	[ADDRESS] key	This key is used to search for a fax destination that has been stored as an auto-dial number in the address book.
19	[BROADCAST] key	This is used to perform a broadcast transmission.
20	[ORIGINAL SIZE] key	This is used to set the size of the original to be faxed.
21	[DUPLEX SCAN] key	Press this key to use the duplex scan function. (Only on models with a SPF installed.)
22	[SPECIAL FUNCTION] key	This key is used to select a special transmission or reception function, configure function settings, and to store auto-dial numbers.
23	Arrow keys	These are used to select items and move through pages.
24	[START] key	This is used at the following times: (1) When starting transmission (2) When scanning an original (3) When starting manual reception (4) When configuring and storing settings
25	[ACC.#-C] key	Press the end the use of an account and return the display to the account number entry screen.
26	[READ-END] key	When copying in sort mode from the document glass, press this key when you have finished scanning the original pages and are ready to start copying.

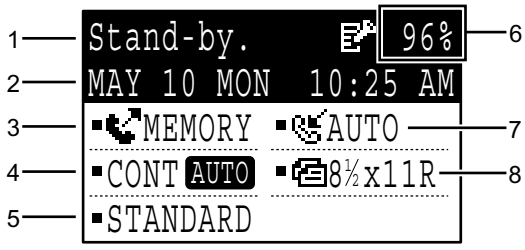
NOTE

• When the auto power shut-off function is activated, All lights except the mode key lights go off. For the information on the auto power shut-off function.

2. FAX mode (base screen)

The base screen of fax mode is displayed by pressing the [FAX] key when the print mode, copy mode, or scan mode screen appears.

A. The base screen of fax mode



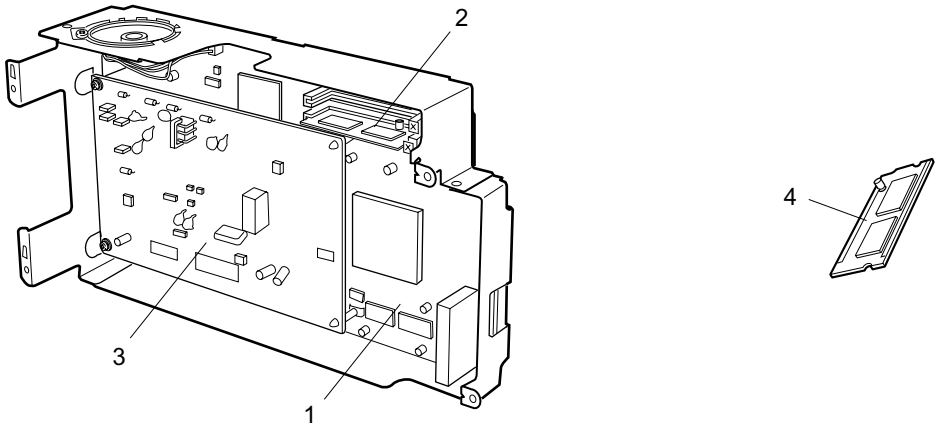
1	Message display	Messages appear here to indicate the current status of the machine. An icon appears to the right side when a confidential fax has been received.
2	Date and time display	This shows the date and time.
3	Transmission mode display	There are three transmission modes: memory transmission, direct transmission, and manual transmission. This shows the currently selected transmission mode.
4	Exposure display	This shows the exposure for scanning the original that has been selected with the [RESOLUTION] key.
5	Resolution display	This shows the resolution for scanning the original that has been selected with the [RESOLUTION] key.
6	Free memory display	This shows the percentage of fax memory that is free.
7	Reception mode display	There are two modes for receiving faxes: automatic reception and manual reception. This shows the currently selected reception mode.
8	Original display	This displays an icon to indicate the original scanning mode when an original has been placed. : One-sided original scanning in the SPF. : Document glass. : Two-sided original scanning in the RSPF. This also shows the size of the placed original.

NOTE

The following functions operate even when copy mode is selected:

- Automatic reception (including F-code confidential reception)
- Timer Transmission
- Memory polled function
- Transmission of stored memory transmission jobs
- Voice calls (voice calls can be answered but not placed).
- Remote reception
- Manual reception
- Relay station function for F-code relay broadcast transmission

3. PWB

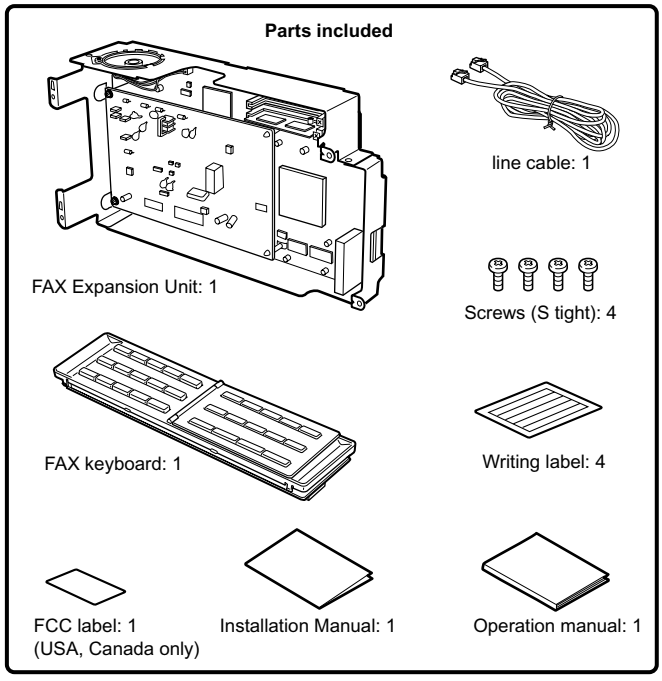


1	FAX control PWB	FAX communication control
2	FAX FLASH ROM PWB	FAX control program
3	TEL/LIU PWB	TEL line communication control
4	FAX extended memory (Installed to FAX control PWB)	<AR-MM9>

[5] UNPACKING AND INSTALLATION

<Before installation>

• For improvement of workability, some description in this manual as well as components and accessories may change without prior notice. In this case, refer to the service manual.

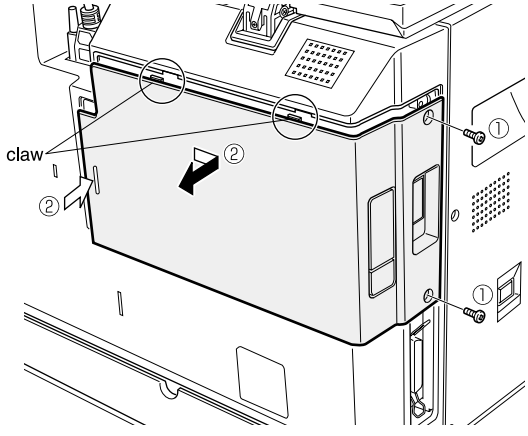


Turn off the main switch of the copier and then remove the power plug of the copier from the outlet.

1) Detach the rear cover.

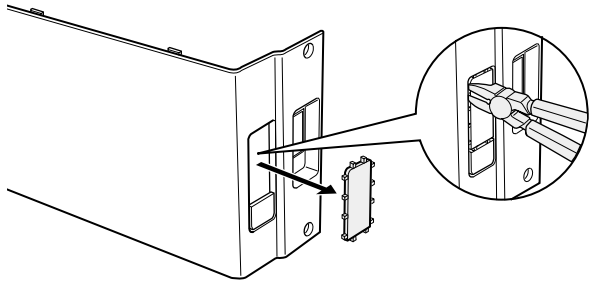
<1>Unscrew two screws from the rear cover.

<2>Push to release the lock shown in the illustration below. Slide to right and remove the rear cover.



2) Work the rear cover.

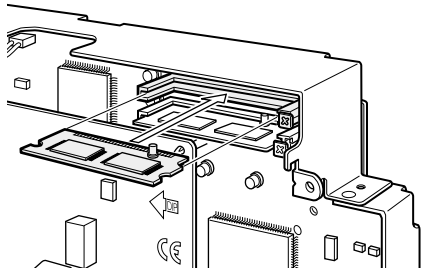
Cut and remove the cut-out portion from the rear cover using a tool such as nippers. Be careful with the tool's direction so that the cut surface would be flat.



Installing additional memory board (AR-MM9)

* If no need to install, go on to Step 3 to continue FAX Expansion Kit Installation.

Insert an additional memory board into the socket of FAX Expansion Unit. Be careful with the inserting direction. Make sure that it is securely inserted.



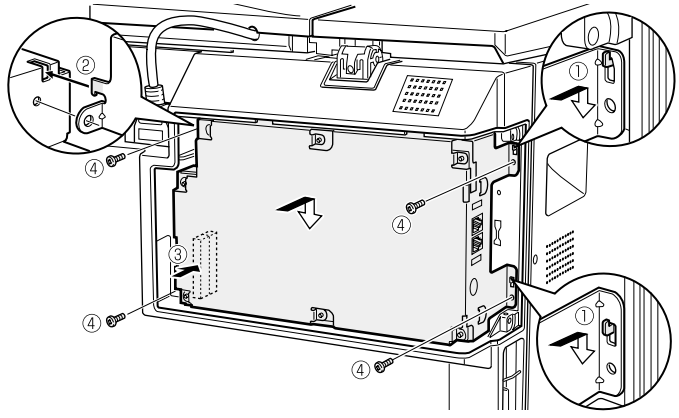
3) Install FAX Expansion Unit.

<1>Hook the attaching parts of FAX Expansion Unit (two on the right) onto the copier frame as shown.

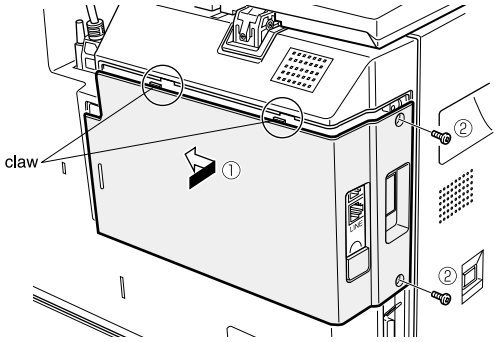
<2>Hook the attaching part of FAX Expansion Unit (one on the left) onto the copier frame as shown.

<3>Push the lower left side of the unit to make sure that connectors of FAX Expansion Unit and the copier are connected.

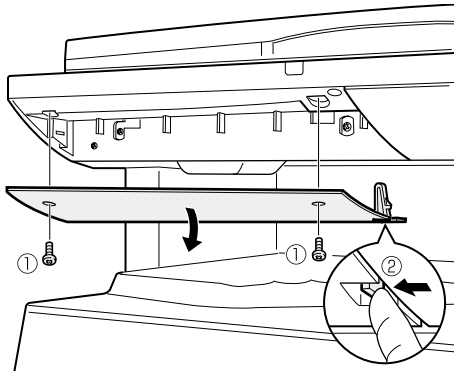
<4>Secure the unit onto the copier using four supplied screws (S tight) as shown.<1>Hook the attaching parts of FAX Expansion Unit (two on the right) onto the copier frame as shown.



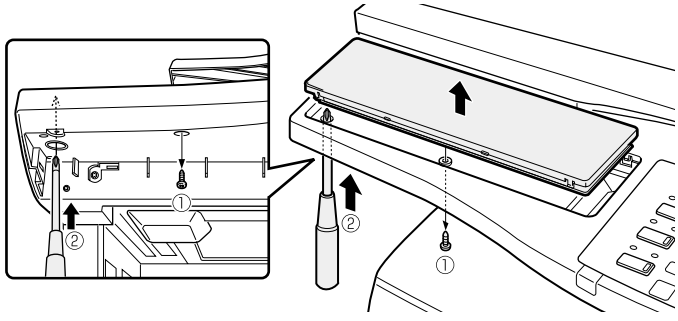
4) Reattach the rear cover.
<1>Insert the claw locks of the rear cover into the copier, and slide it to left until they are securely locked.
<2>Secure the cover using two screws.



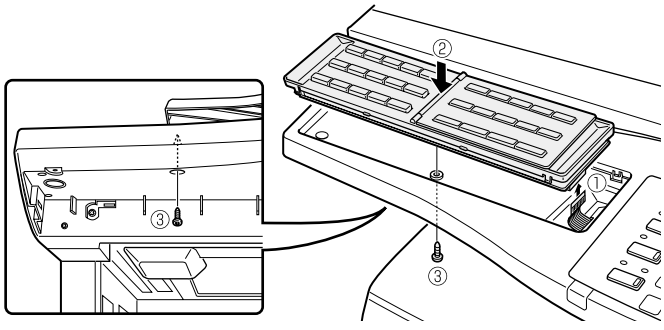
5) Remove keyboard back cover.
<1>Unscrew two screws from the keyboard back cover.
<2>Release the lock as shown, and remove the back cover.



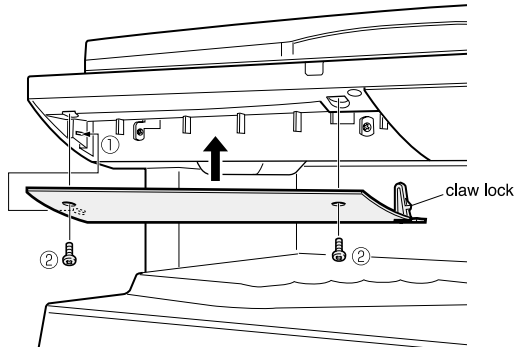
6) Remove dummy panel.
<1>Unscrew from the dummy panel.
<2>Push the dummy panel up using a driver as shown, and remove it from the copier.



7) Attach FAX keyboard.
<1>Connect the copier flat cable to FAX keyboard.
<2>Place the FAX keyboard onto the copier.
<3>Secure the keyboard using a screw.

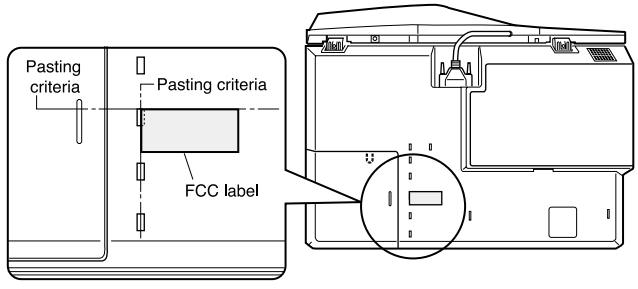


8) Reattach keyboard back cover.
<1>Insert the claw lock of the keyboard back cover into the copier. Make sure that the claw lock is securely inserted.
<2>Secure the cover using two screws.



9) Paste FCC label on the rear cabinet of the copier.
After installing FAX Expansion Kit, paste the supplied FCC label on the position shown in the illustration.

USA, Canada only
In order to manifest the compliance with FCC Part 68 and IC CS-03, it is required to provide the machine with the FCC Registration Number (USA), Ringer Equivalence (USA) and Ringer Eqivalence(Canada).
After installing the FAX expansion kit in the machine, please put the registration label, packed with the kit, on the prescribed location.

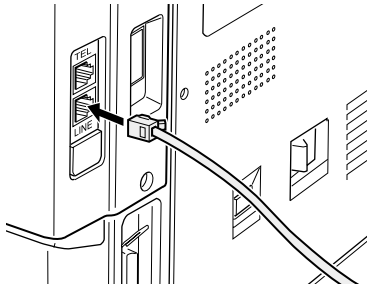


Insert the power plug of the copier to the outlet, and then turn on the main switch of the copier.

10) Setup date and time.
Press [FUNCTION] key on the Operation Panel, select [Key Operator Program], enter 5-digit key operator code, and select [FAX] mode.
Select [Initial setup] and then [Date and Time]. Enter date in the order of year, Month, Day and press [OK] to set.
Select [Time Setup], enter time in the order of Hour and Minute, and press [OK] to set.

11) Clear image memory.
* When additional memory board (AR-MM9) is installed, you must clear the memory using the Simulation [66-10]. If no additional memory is installed, there is no need for this memory clear process.

12) Connect line cable.
Connect the line cable to the FAX Expansion Kit.



[6] SIMULATIONS, FAX SOFTWARE SWITCH

1. Entering the simulation mode

Perform the following procedure to enter the simulation mode.
[#] → [*] → [C] → [*] → [Main code] → [START] → [Sub code] → [START]

2. Canceling the simulation mode

When the clear all key is pressed, the simulation mode is cancelled.
When the interruption key is pressed, the process is interrupted and the screen returns to the sub code entering display.

* After canceling the simulation mode, be sure to turn OFF/ON the power and check the operation.

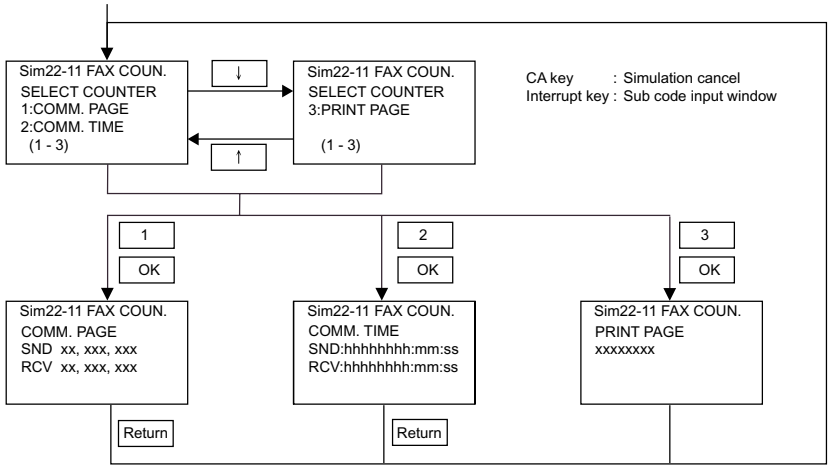
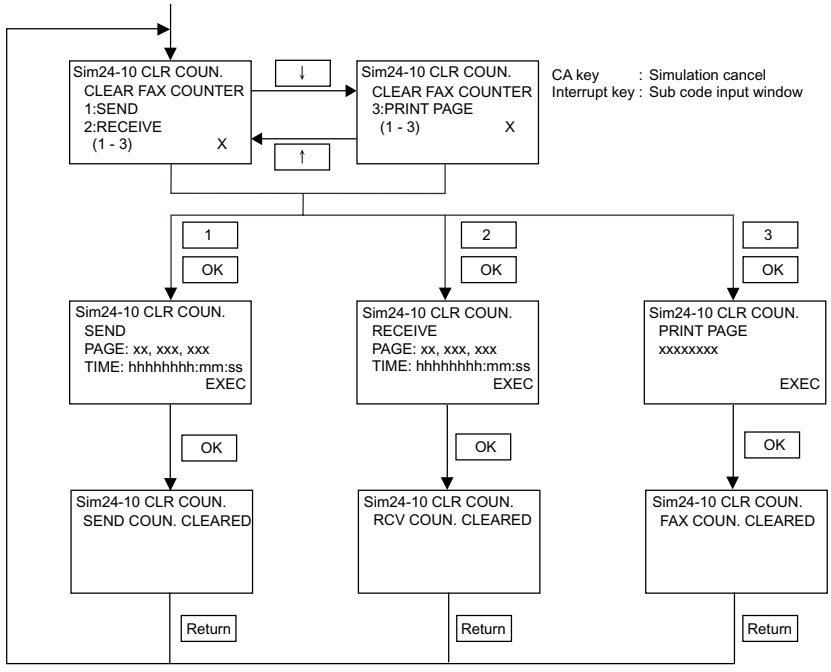
Note:

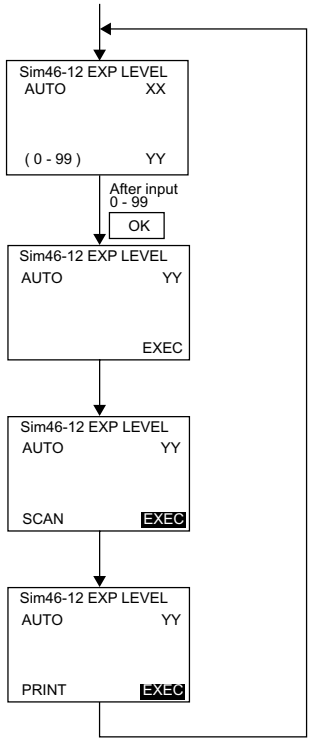
- If the machine is terminated by a jam error or paper empty during copying in the adjustment by the simulation, recopying is required.
- The values in the simulation columns are not default values but sample values.

3. Simulation list

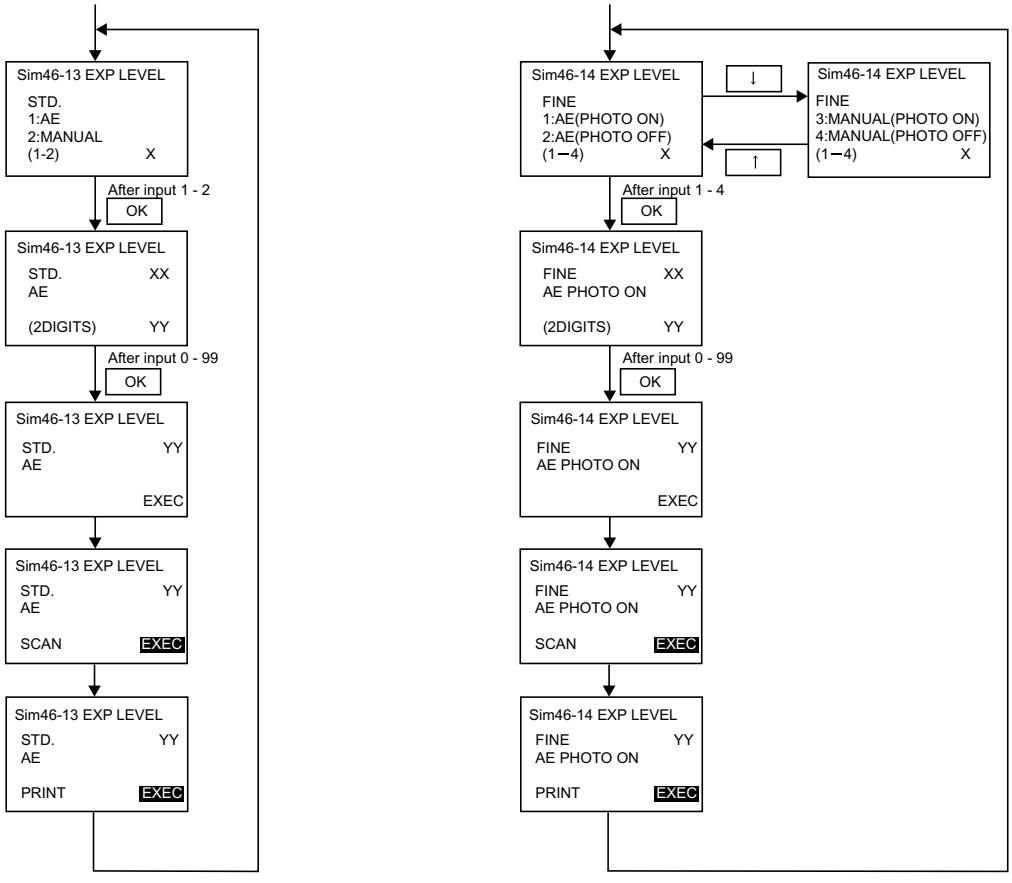
CODE		FUNCTION(Contents)
MAIN	SUB	
22	11	FAX-related counter display
24	10	FAX-related counter clear
46	12	Density adjustment in the FAX mode (Collective adjustments)
	13-16	Density adjustment in the FAX mode (Individual adjustments)
	39	FAX sharpness adjustment
48	8	FAX magnification ratio adjustment (scan)
	9	FAX magnification ratio adjustment (print)
50	8	FAX lead edge adjustment (scan)
	9	FAX lead edge adjustment (print)
66	1	FAX soft SW setting
	2	FAX soft SW initializing
	3	FAX PWB memory check
	4	Signal send mode
	6	Print pass code print
	7	Image memory content print
	10	Image memory contents clear
	11	300bps signal send
	13	Dial test
	17	DTMF signal send
	19	SRAM backup
	21	FAX information print
	24	FAST SRAM clear
	30	TEL/LIU status change check
	31	TEL/LIU setting
	32	Receive data check
	33	Signal detection check
	34	Communication time measurement
	37	Speaker sound volume adjustment
	38	Time setting/check
	41	CI signal check
	52	Pseudo ringer check

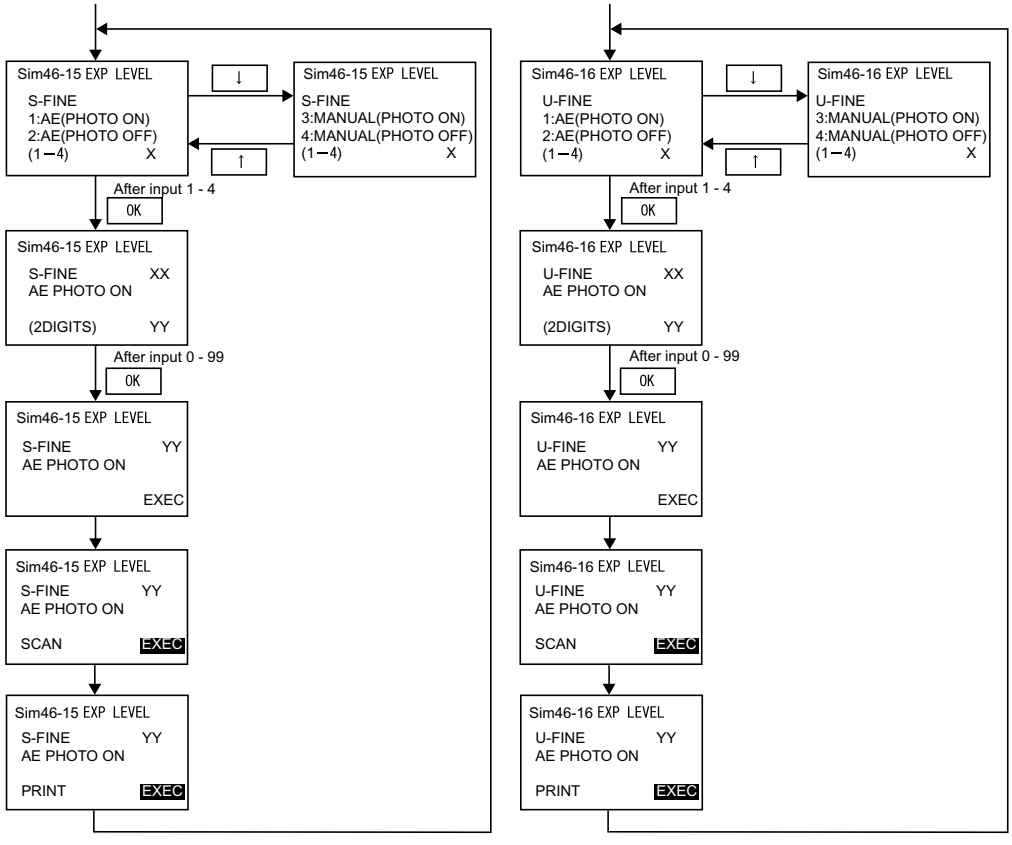
4. Detail of simulations

Main code	Sub code	Contents	Remark
22	11	**FAX-related counter display.** Used to display the current FAX send/receive counter value. 	
24	10	**FAX-related counter clear** Used to clear the current FAX send/receive counter value (number of pages of send/receive), the accumulated time of send/receive, and the print counter to 0.  When the number of pages of send is cleared, the PC-FAX counter is also cleared.	

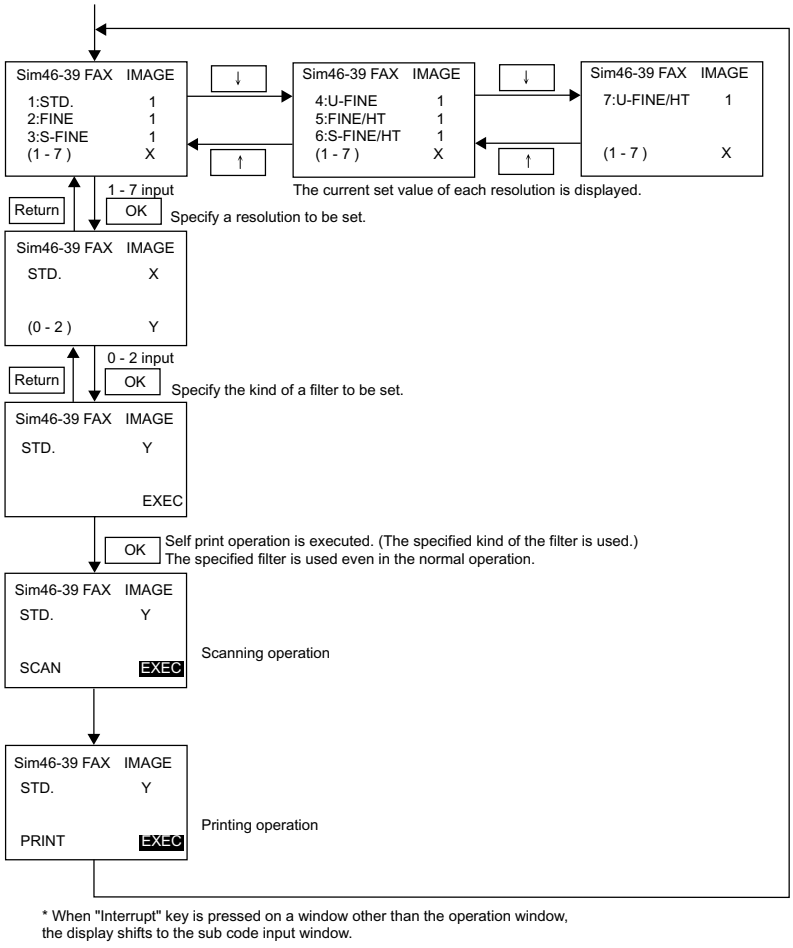
Main code	Sub code	Contents	Remark
46	12	**Density adjustment in the FAX mode (Collective adjustments)** Used to adjust the density in the FAX mode to “AUTO” or “0” - “99”. 	

Main code	Sub code	Contents	Remark
46	13-16	**Density adjustment in the FAX mode (Individual adjustments)** Used to adjust the density in the FAX mode to “AUTO” or “0” - “99”.	

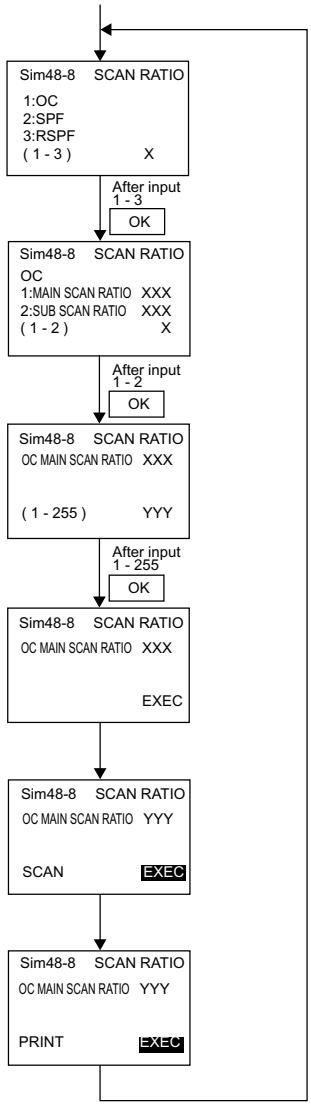


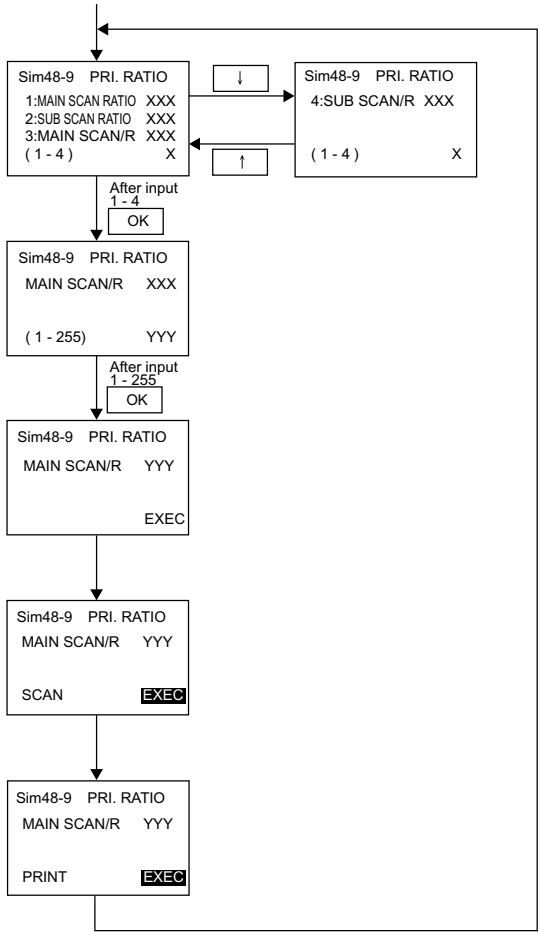


Main code	Sub code	Contents	Remark
46	39	**FAX sharpness adjustment** Used to adjust the resolution and the filer in the FAX mode.	

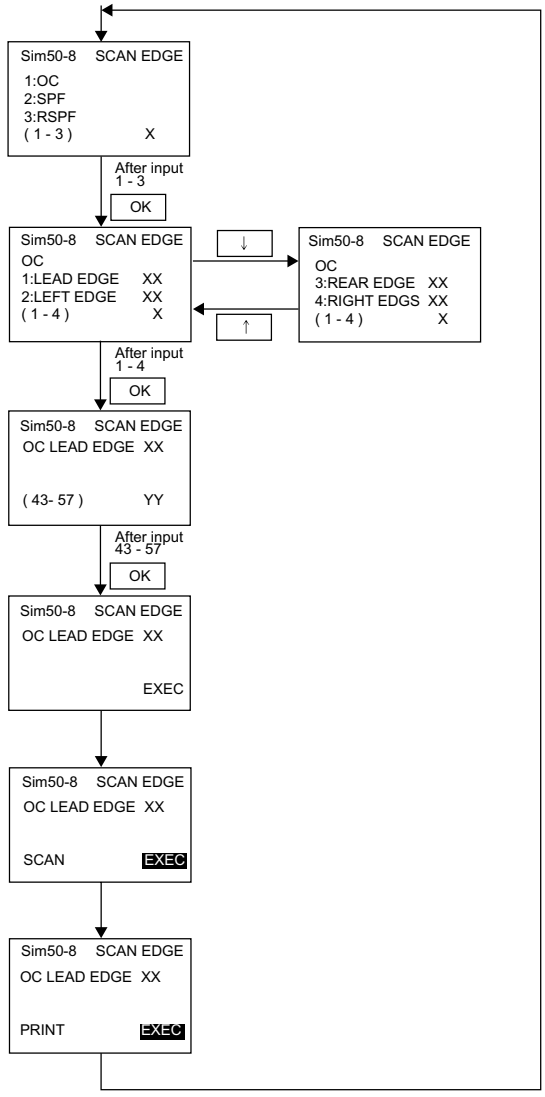


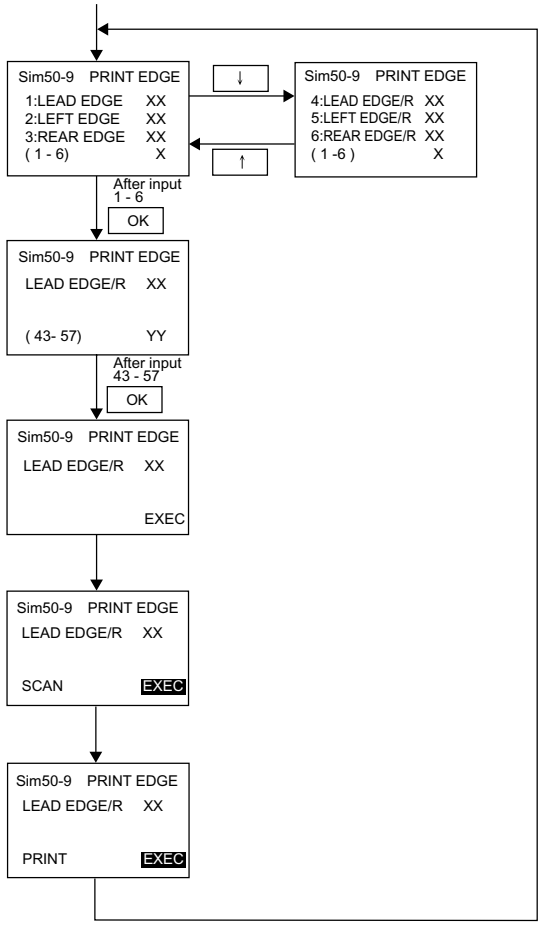
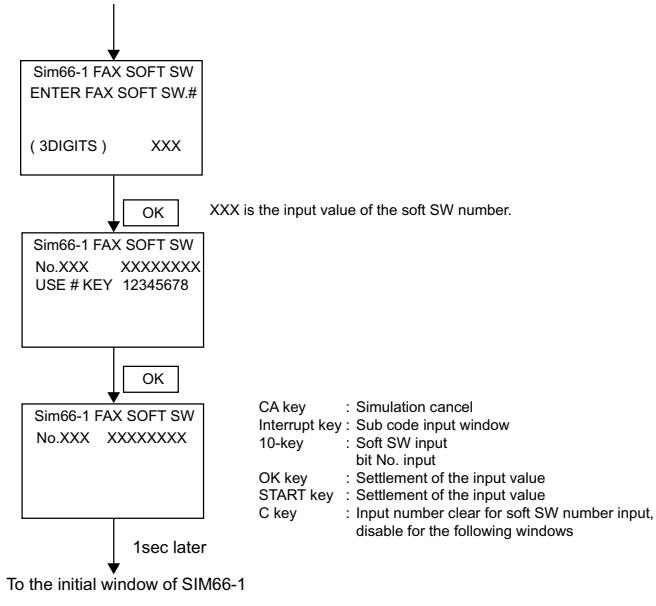
* When "Interrupt" key is pressed on a window other than the operation window, the display shifts to the sub code input window.

Main code	Sub code	Contents	Remark
48	8	**FAX magnification ratio adjustment (scan)** Used to adjust and set the FAX document scan magnification ratio and scan and print the document. 	

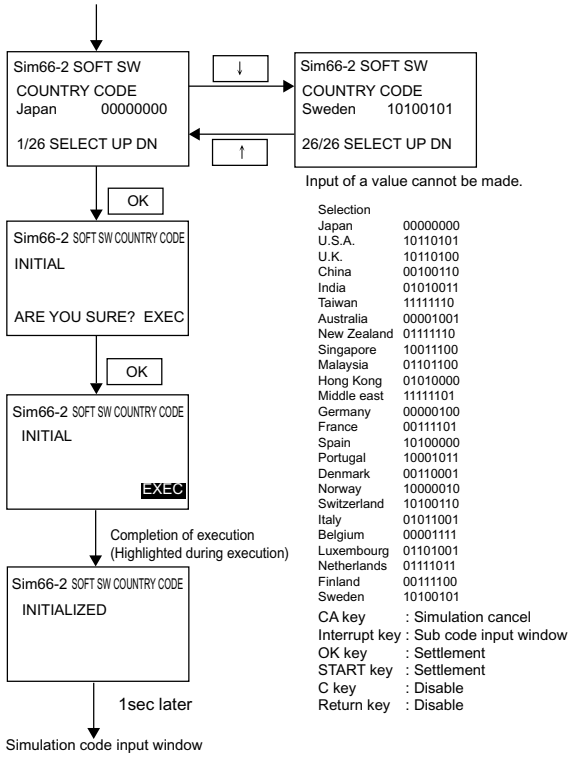
Main code	Sub code	Contents	Remark
48	9	**FAX magnification ratio adjustment (print)** Used to adjust and set the FAX print magnification ratio and scan and print the document. 	

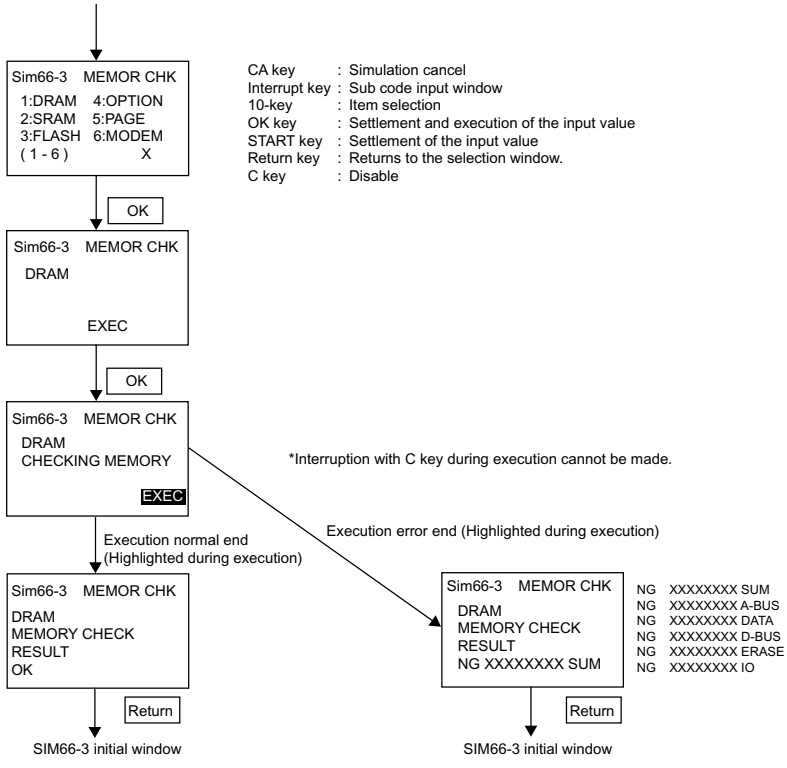
Main code	Sub code	Contents	Remark
50	8	**FAX lead edge adjustment (scan)** Used to adjust and set the FAX document scan lead edge position and scan and print the document.	

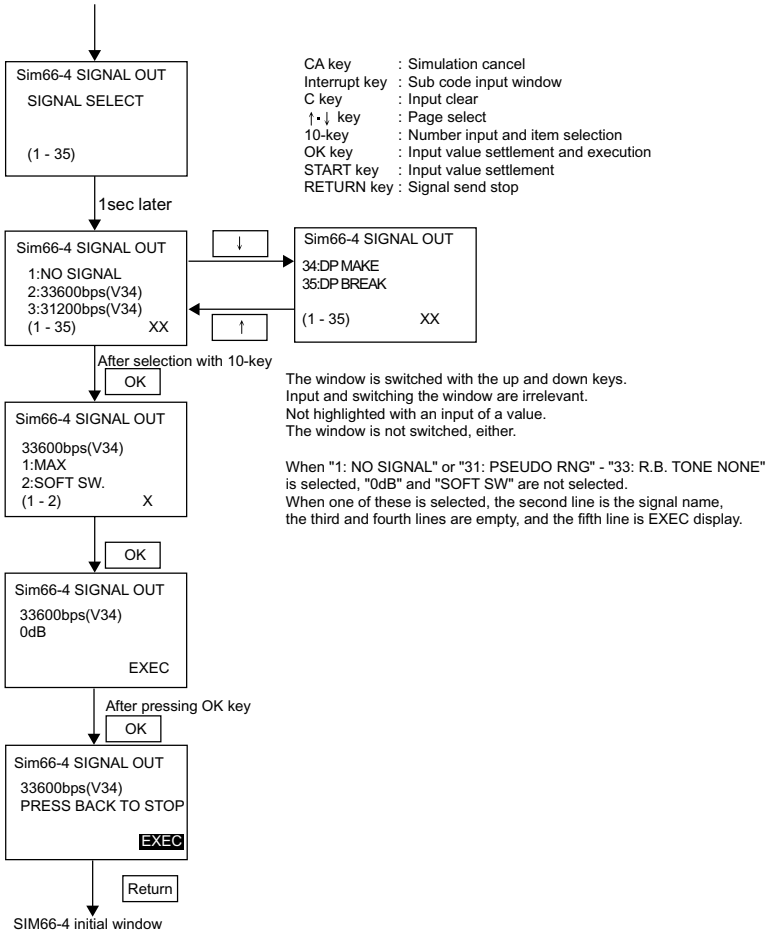
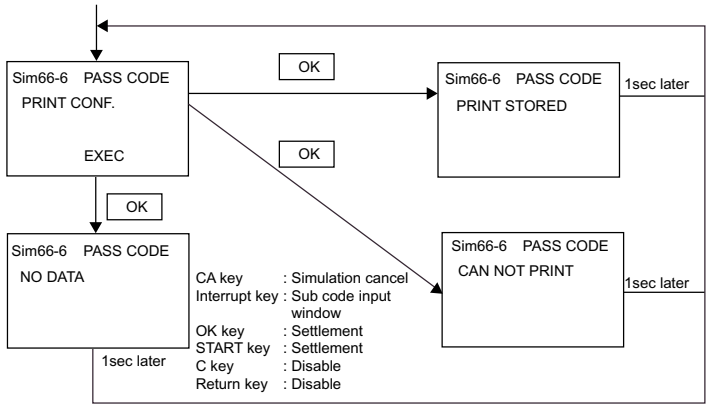


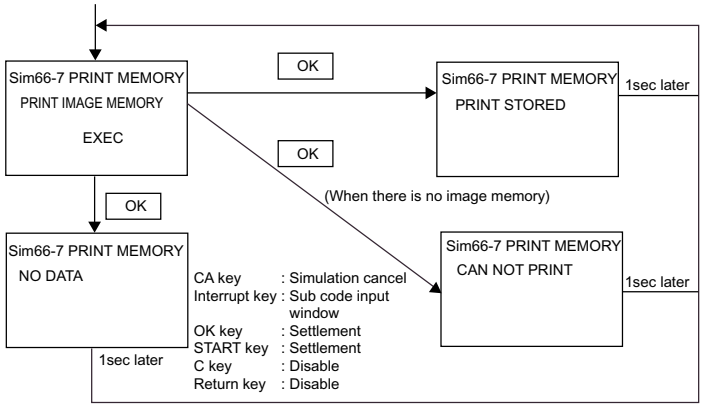
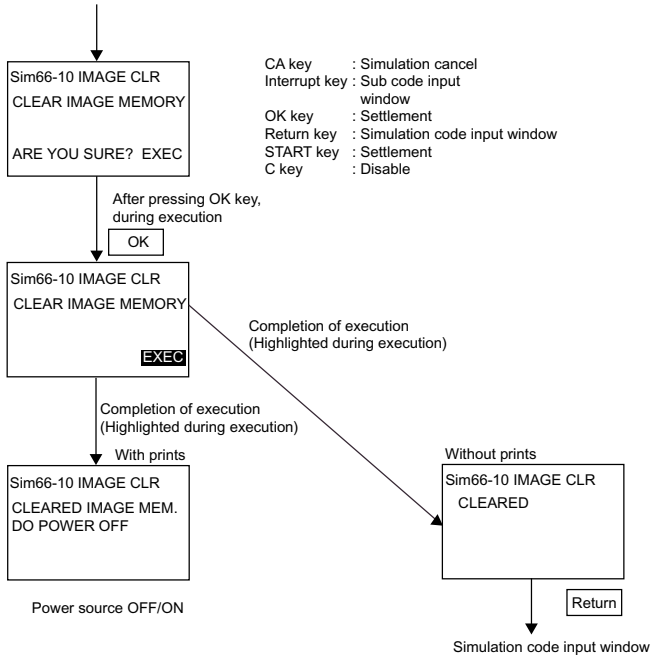
Main code	Sub code	Contents	Remark
50	9	**FAX lead edge adjustment (print)** Used to adjust and set the FAX print lead edge position and scan and print the document. 	
66	1	**FAX soft SW setting** Used to display the FAX-related soft SW on the LCD and set and change the soft SW setting with 10-key input. 	

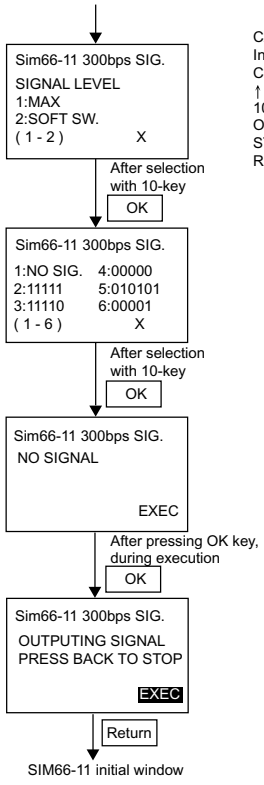
Main code	Sub code	Contents	Remark
66	2	**FAX soft SW initializing** Used to clear the FAX-related soft SW values except for the line signal adjustment value and the machine adjustment value and set them to the default values (which differ depending on the country code).	
	3	**FAX PWB memory check** Used to check read/write from/into the memory on the FAX PWB. The check result is displayed for each memory.	



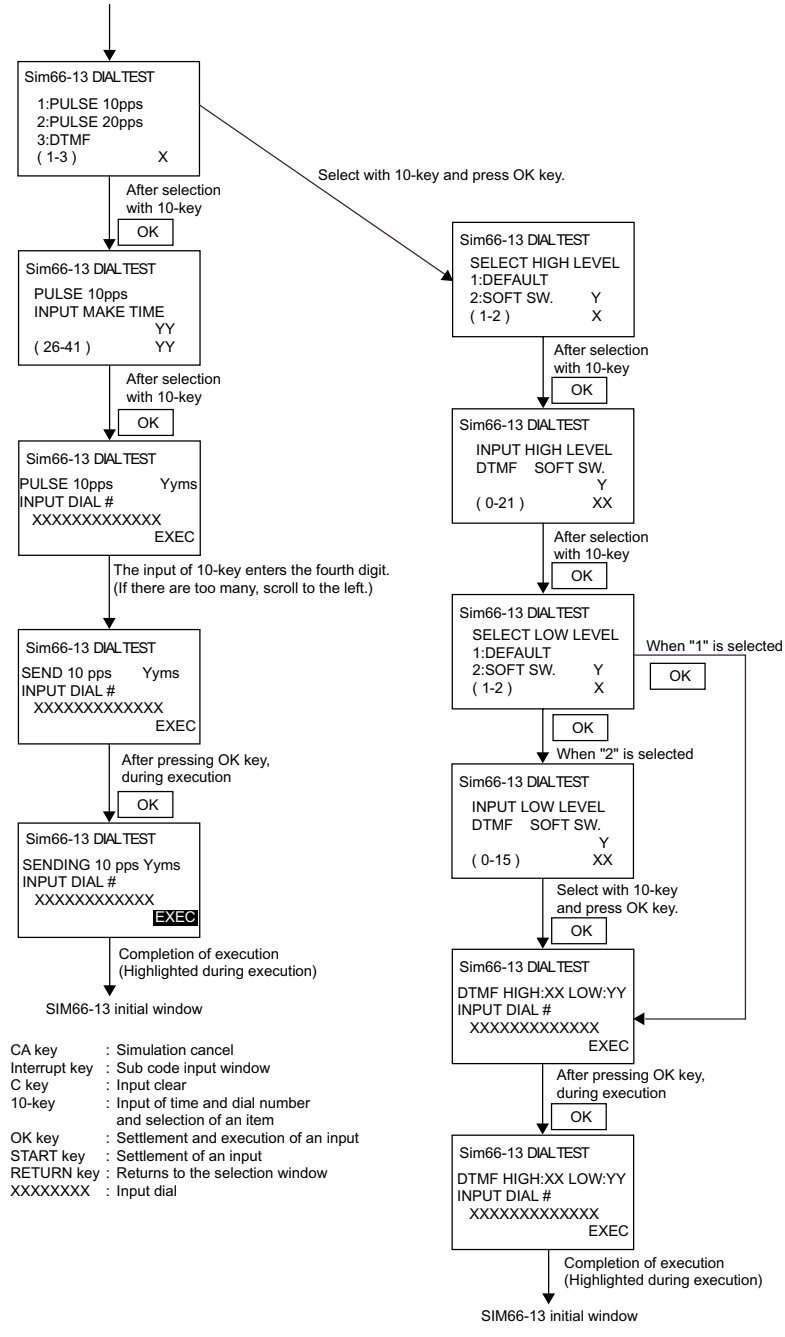


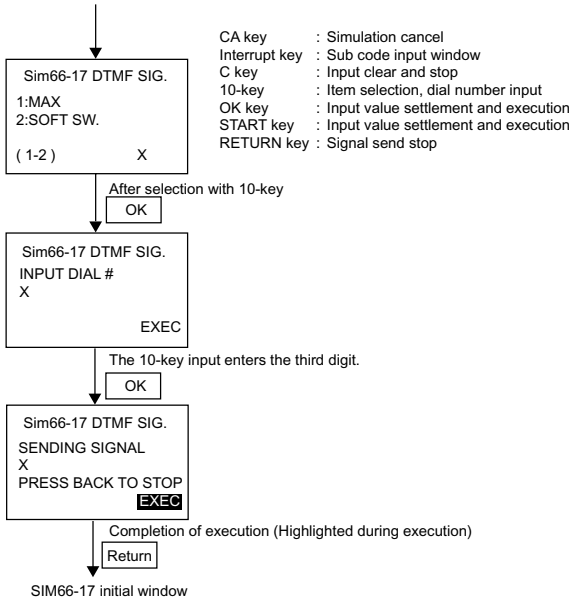
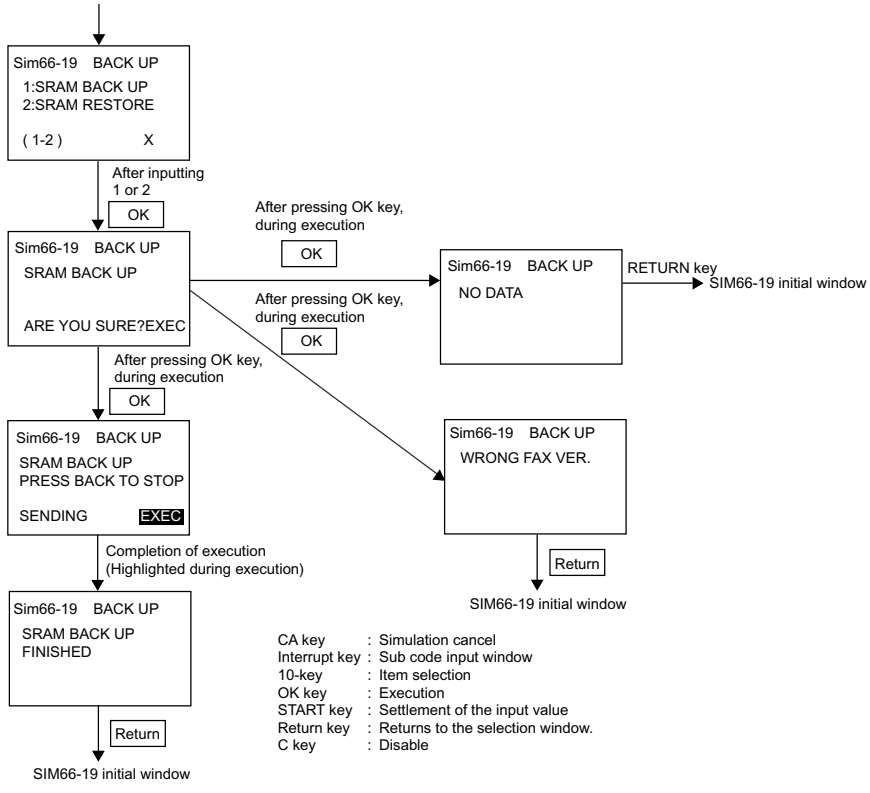
Main code	Sub code	Contents	Remark
66	4	**Signal send mode** Used to send signals to the line and the machine speaker by setting the signal number. (Signal send is continued until interruption is instructed by pressing RETURN key.) The signal send level is selected from 0db and the soft SW values. Since the level setting is not required for 01 and 31 - 35, the selection menu does not appear. The signal send level is returned to the soft SW set value before execution of the mode when completing the mode. 	
	6	**Print pass code print** Used to print the confidential ID table (confidential box number, confidential box name, confidential pass code). Sharp mode confidential information is printed separately. 	

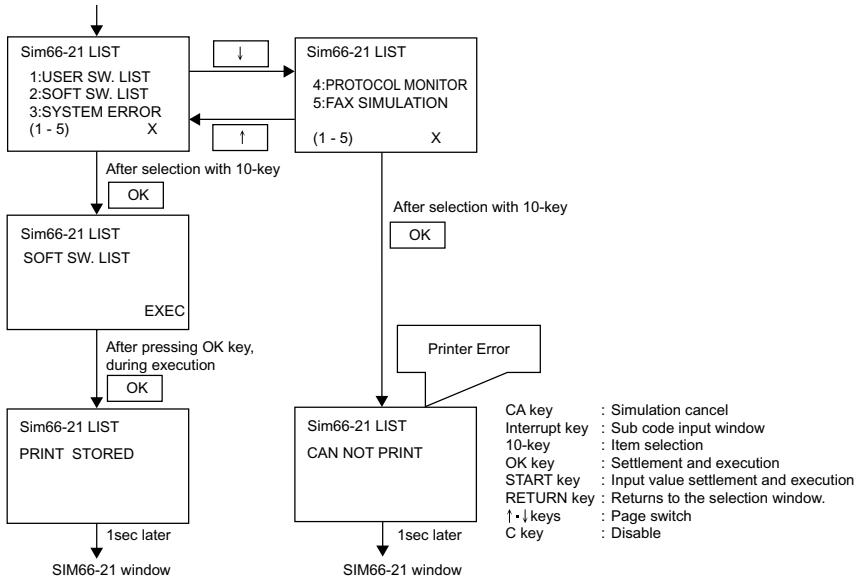
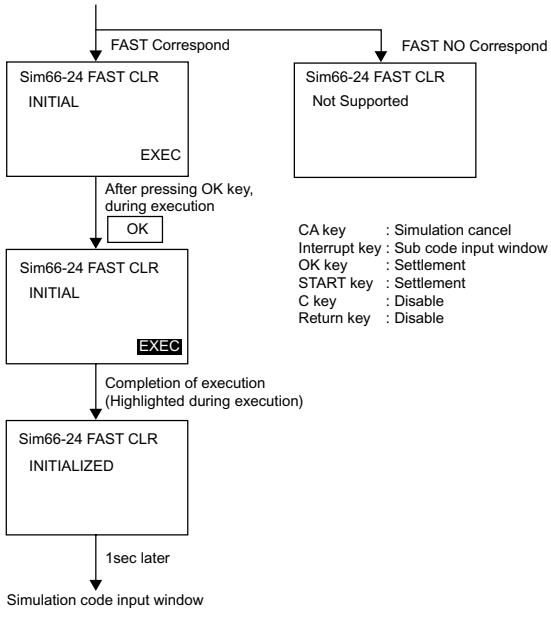
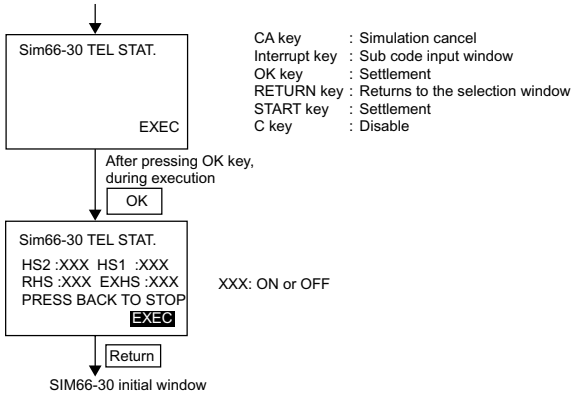
Main code	Sub code	Contents	Remark
66	7	**Image memory content print** Used to print all the image data (confidential receive contents, remote send images, and images which are not sent yet) in the image memory of the FAX section. The printed images are remained in the memory after printing. 	
	10	**Image memory contents clear** Used to clear all the image data (including confidential receive contents) in the image memory of the FAX section. The management table is also cleared (initialized) at the same time. 	

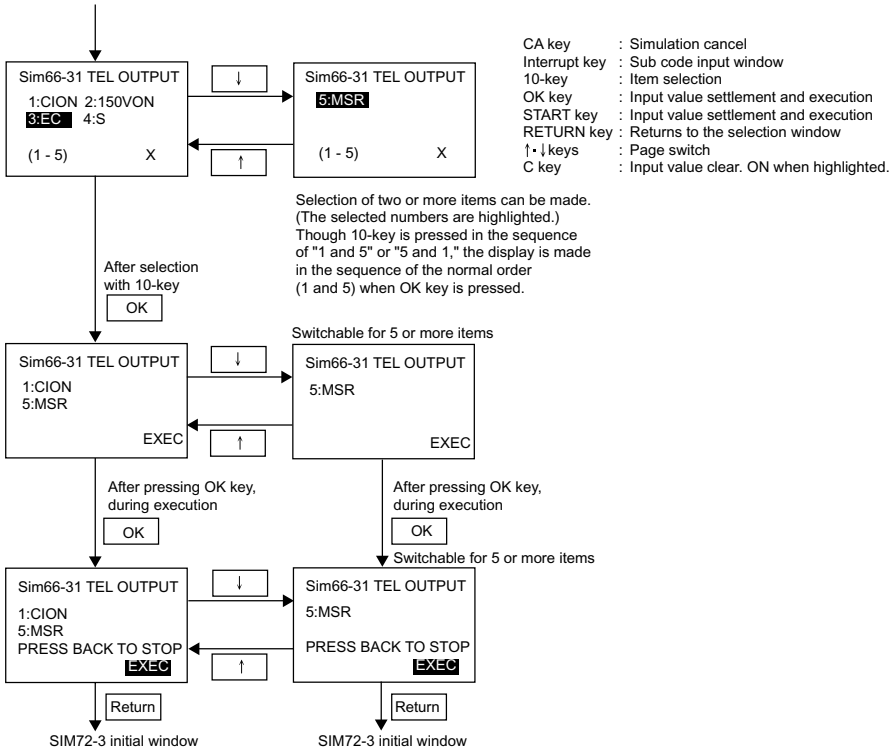
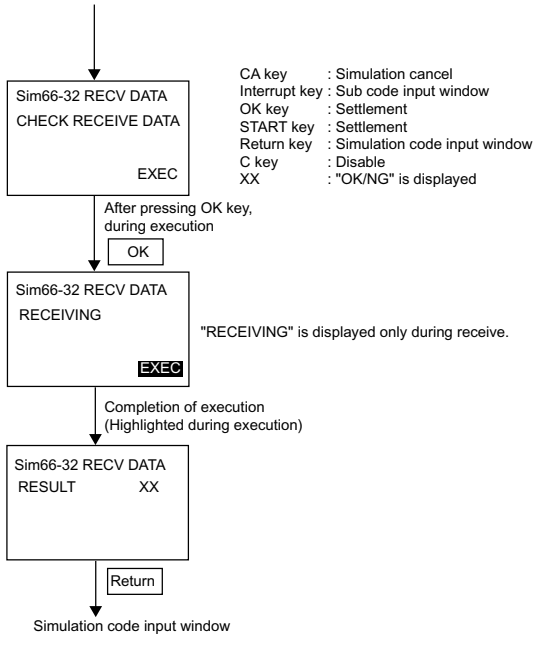
Main code	Sub code	Contents	Remark
66	11	**300bps signal send** Used to send the specified signal at the speed of 300bps by setting the signal number. (Signal send is continued until interruption is instructed by pressing RETURN key.) The signal send level is selected from 0db and soft switch set values. The signal send level is returned to the sot SW set value before execution of the mode after completion of the mode.  CA key : Simulation cancel Interrupt key : Sub code input window C key : Input clear ↑・↓keys : Page switch 10-key : Item selection OK key : Input value settlement and execution START key : Input value settlement RETURN key : Signal send stop	

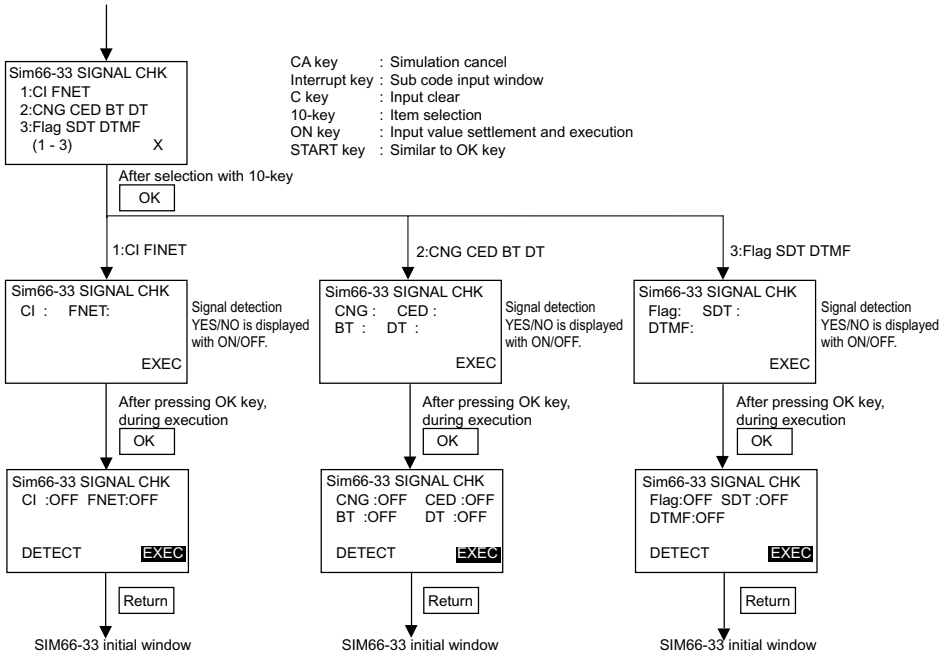
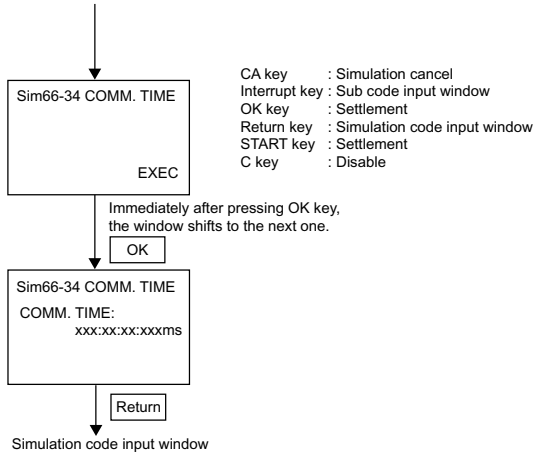
Main code	Sub code	Contents	Remark
66	13	**Dial test** Used to send the dial pulse and the DTMF signal, and perform the dial pulse make time adjustment and the DTMF signal send level adjustment according to necessity.	



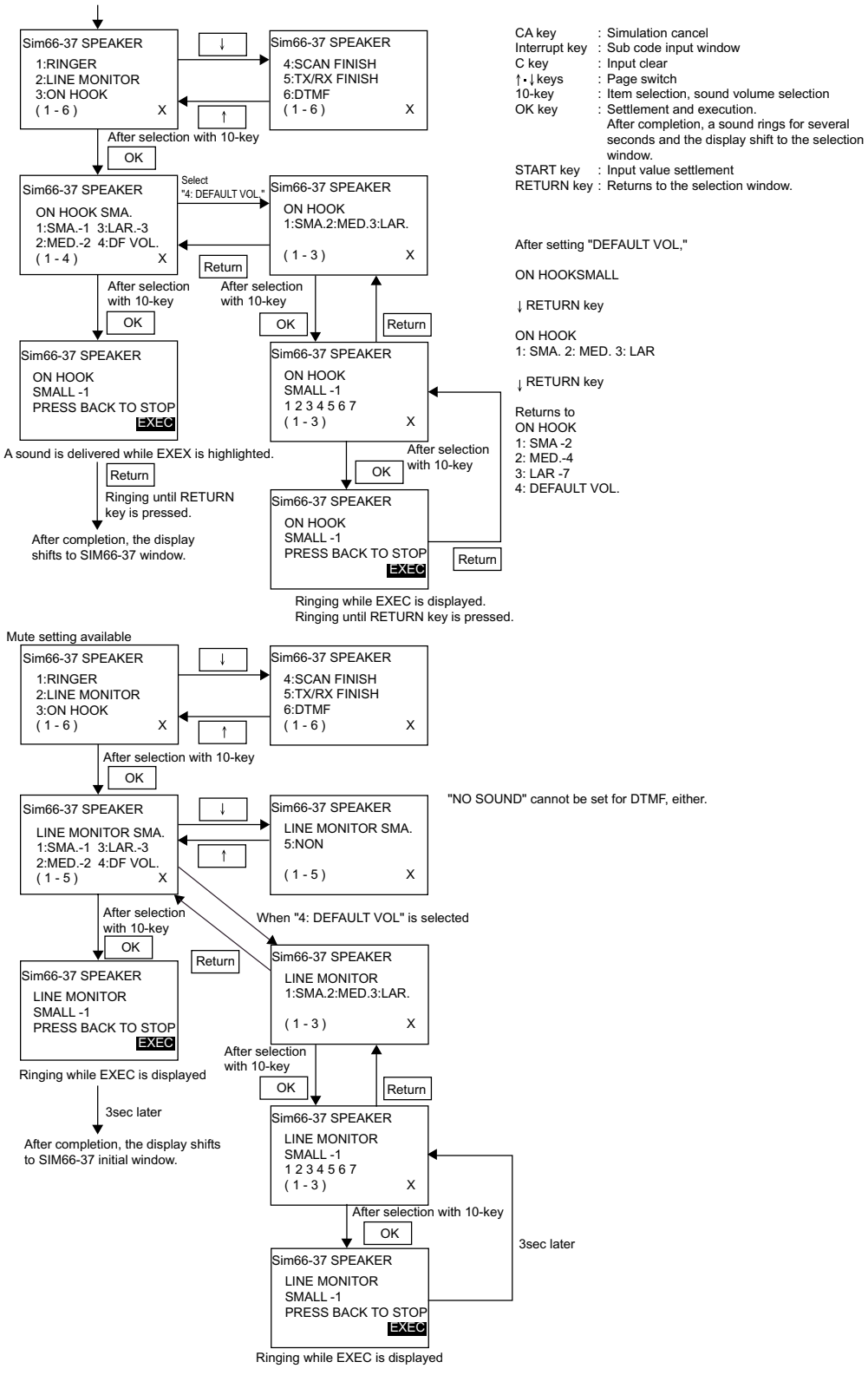
Main code	Sub code	Contents	Remark
66	17	**DTMF signal send** Used to select the signal send level from 0dB and the soft SW set values and specify a dial number to be sent. The DTMF signal of the specified dial number is sent continuously until the interrupt command is made by pressing RETURN key. When another dial number is specified during sending of the signal, the signal send level is returned to the soft SW set value before execution of the mode after completion of the mode. 	
	19	**SRAM backup** Used to back up and restore the SRAM contents. 	

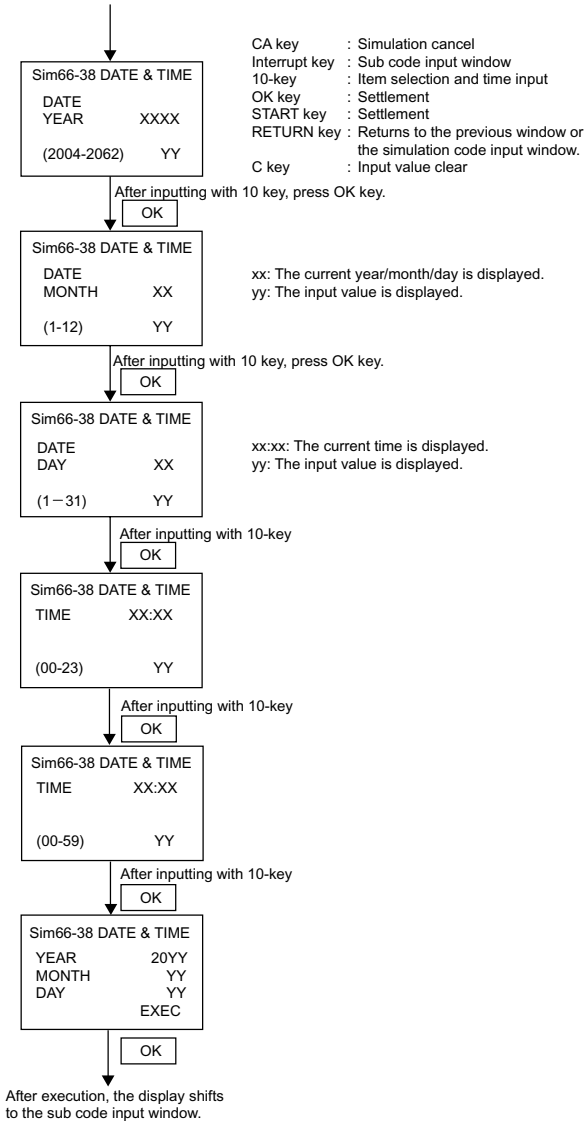
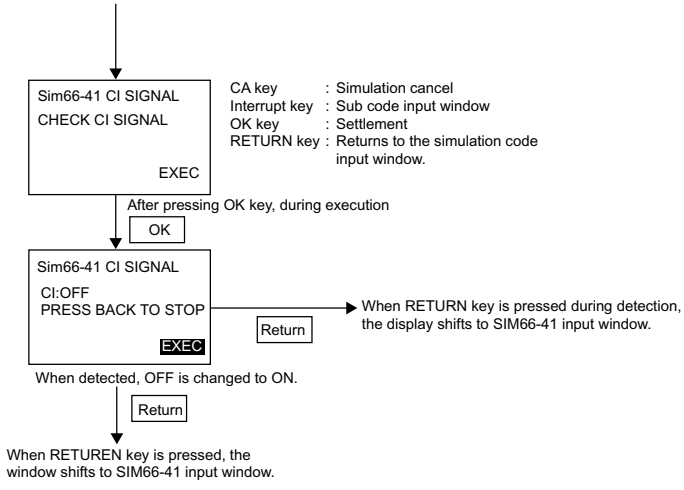
Main code	Sub code	Contents	Remark
66	21	**FAX information print** Used to print the following FAX information. 	
	24	**FAST SRAN clear** Used to clear the FAST SRAM data. 	
	30	**TEL/LIU status change check** Used to display the change contents regardless of the soft SW setting when the status of the polarity inversion relay, the handset hook switch, or the external telephone hook switch is changed. The display of the changed status is remained until the interruption command is made by pressing RETURN key. 	

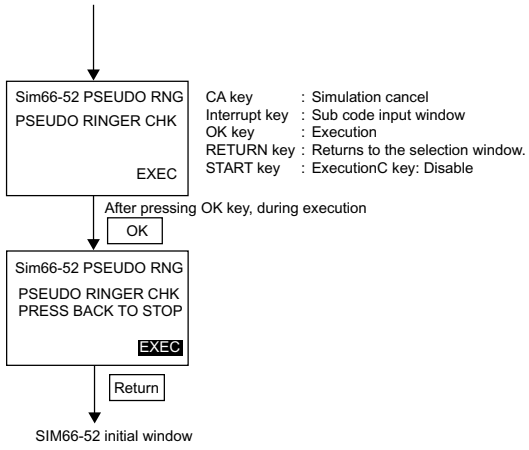
Main code	Sub code	Contents	Remark
66	31	**TEL/LIU setting** The following bit 0/1 is alternatively switched. At the same time, the target signal name is highlighted. 	
	32	**Receive data check** Used to check receive data from the line and judge whether the following receive data and the judged data number accord together or not. If they accord, "OK" is notified. If not, "NG" is notified. Judgment is made from the receive start data and the data must be accorded continuously. 	

Main code	Sub code	Contents	Remark
66	33	**Signal detection check** Used to detect signals and display the result with ON/OFF. 	
	34	**Communication time measurement** Used to perform a send/receive test and measure and display the time required for send/receive of the image data in the communication. 	

Main code	Sub code	Contents	Remark
66	37	**Speaker sound volume adjustment** Used to send the following test sounds to the line and the speaker to perform the adjustment of the sound variation and the sound volume.The send level to the line is determined by the soft SW set value. The selected sound variation and the sound volume are written into the corresponding soft SW.	



Main code	Sub code	Contents	Remark
66	38	**Time setting/check** Used to write/read the time (year, month, day, o'clock, minute) into/from the RTC on the FAX PWB. 	
	41	**CI signal check** Used to detect the call signal from CI pin and send the call sound to the line and the speaker. The sound volume of the call sound follows the soft SW setting. The operations of signal detection and the pseudo ring sound send when the signal is detected are continued until the interruption command is made by pressing RETURN key. 	

Main code	Sub code	Contents	Remark
66	52	**Pseudo ringer check** • The pseudo ringer sound is delivered both from the machine (speaker). • This operation is continued until the interruption command is made by pressing RETURN key. • The LCD displays the TEL/LIU status and the HOOK status. • While the pseudo ringer is delivered, the RBT)ring back tone) is delivered to the line. The bell is ON for 1sec and OFF for 2sec.  	

5. FAX software switch

A. Software switch setup change quick reference

Large item	Medium item	Content of switch	Key operator	Soft SW No.	Purpose of use
Dial (Calling)	Remote machine calling disable	Polarity inversion monitor during call-out	-	SW 23-3	Dial disable
		Pause time setting	Inital setup	SW 28-1~4	Dial disable/Erroneous dialing
		Tone/pulse default setting	-	SW 22-5,6	Dial disable
		DTMF signal send time	-	SW 26-1~5	Dial disable in PB(PB/FAX service,etc.)
		DTMF send MAX. level	-	SW 65-1~4	Dial disable in PB(PB/FAX service,etc.)
		DTMF send level (High area)	-	SW 64-4~8	Dial disable in PB(PB/FAX service,etc.)
		DTMF send level(Difference between high area and low area)	-	SW 65-5~8	Dial disable in PB(PB/FAX service,etc.)
		Minimum pause time (DTMF) setting	-	SW 26-6~8	Dial disable in PB(PB/FAX service,etc.)
		Scanner scanning completion speaker sound volume	-	SW 46-1,2	
		Scanning sound volume pattern number	-	SW 46-3~8	
		Minimum pause time (10PPS) setting	-	SW 19-1~4	Dial disable in pulse
		Minimum pause time (20PPS) setting	-	SW 19-6~8	Dial disable in pulse
	Signal detection	Dial tone detection	-	SW 21-1	Dial tone detection disable
		Busy tone detection	-	SW 21-2	Busy tone detection disable
Redial	Error	Number of resends in a communication error	Send setup	SW 14-1~4	
	Error	Resend interval in a communication error	-	SW 14-5~8	
	Error(SG3)	Resend in case of an error, Super G3 disable in the last call out	-	SW 43-2	
	Busy	Number of recalls when busy	Send setup	SW 13-1~4	
	Busy	Resend interval when busy	-	SW 13-5~8	
Reception(Calling)	CI detection disable	CI detection	-	SW 86-2,3	
		Not used	-	SW 86-6~8	
		CI signal OFF detection enable time	-	SW 87-1~7	
	F-net	1300Hz detection	-	SW 51-6	
		1300 Hz detection time	-	SW 51-7	
External telephone handset	External telephone connection	External telephone connection	Inital setup	SW 41-1	External telephone connection
		Remote switch number setting	-	SW 7-1~8	Remote switch detection error
TEL/FAX auto switch		CNG detection time	-	SW 21-5~8	
	External telephone call	Ring back tone ON time	-	SW 57-1~4	External telephone call disable CNG detection disable
		Ring back tone OFF time	-	SW 57-5~8	External telephone call disable CNG detection disable
Communication	General	Signal send level	-	SW 15-4~8	When the remote machine does not receive signals in a proper level
		Polarity inversion monitor during communication	-	SW 23-2	
	SG3	V.34 mode function	-	SW 43-1	Frequent errors in SG3 communication
		Symbol speed mask in V.34 receive	-	SW 43-4~6	Frequent errors in SG3 communication
Send	G3/SG3	Countermeasures against echo in send (The hold time until signal send is set after DIS receive.)	-	SW69-8	An error occurs in phase B
	G3	Error process in RTN receive	-	SW73-1	OK is displayed when RTN is received
Receive	G3/SG3	CSI send	-	SW70-2	
		Max. length of receive	-	SW69-4	
		Substitute receive	-	SW9-1	
	SG3	Countermeasures against echo in receive (CED tone send interval)	-	SW69-7	An error occurs in phase B in reception
		Modem speed fixed in receive	-	SW16-5,6	
		EYE-Q check	-	SW72-7	
Receive print	Paper selection	Paper selection priority order	-	SW35-2	
		Output condition setting	Receive setup	SW35-3,4	
		Automatic reduction print	-	SW35-1	
		Automatic reduction magnification ratio	-	SW 35-5~8	
		Rotation print	-	SW40-1	To disable rotation print

B. Details

SW No.	Bit No.	Item	Switch serection and function	U.S.A.	CA	U.K	GR	FR	Initial value	Key operator
1	1-8	Information by country	Binary input	1	0	1	0	0		
				0	0	0	0	0		
				1	1	1	0	1		
				1	0	1	0	1		
				0	0	0	0	1		
				1	0	1	1	1		
				0	0	0	0	0		
				1	0	0	0	1		
2	1,2	Not used		0	0	0	0	0		
				0	0	0	0	0		
	3-8	Language information	Binary input The corresponding character is determined by the destination information. Since the main unit (key operation) setting is reflected, it is not treated as the initial value on the soft SW list.	0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	1	0		
				0	0	1	0	1		
				1	1	0	0	1		
3	1	Sharp machine mode	1 ON / 0 OFF	1	1	1	1	1	ON	
	2	Sharp machine mode (F code)	1 ON / 0 OFF	0	0	0	0	0	OFF	
	3	F.A.S.T. mode	Enable only in U.S.A, British, German, France. 1 YES / 0 NO	0	0	0	0	0	NO	
	4	Center number at FAST	Enable only in U.S.A, British, German, France. 1 Host-Tel-No. / 0 Service-No.	0	0	0	0	0	Service-No.	
	5-8	Not used		0	0	0	0	0		
				0	0	0	0	0		
				1	1	1	1	1		
				0	0	0	0	0		
4	1	Time out between frames	1 Monitor / 0 Not monitor	1	1	1	1	1	Monitor	
	2	Communication error sound control	1 No error sound / 0 Error sound	0	0	0	0	0	Error sound	
	3	Communication error sound when there is no response	Used to set whether the speaker sound is provided or not when a FAX signal from the remote machine cannot be received in FAX reception (call-in) (when the remote machine is a telephone in no response of the remote machine). 1 Sound / 0 No sound	0	0	0	0	0	No sound	
	4-8	Not used		0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
5	1,2	Not used		0	0	0	0	0		
				0	0	0	0	0		
	3	Flash memory check measurement range	1 All area / 0 256 byte	0	0	0	0	0	256 byte	

U.S.A.: U.S.A. CA: Canada U.K: U.Kingdom GR: German FR: France

SW No.	Bit No.	Item	Switch serection and function	U.S.A.	CA	U.K	GR	FR	Initial value	Key operator
5	4-8	Not used		1	1	1	1	1		
				1	1	1	1	1		
				0	0	0	0	0		
				1	1	1	1	1		
				0	0	0	0	0		
6	1	Auto/Manual default setting	"Manual receive" can be set only when an external telephone or a handset is connected. 1 Manual receive / 0 Automatic receive	0	0	0	0	0	Automatic receive	
	2	Not used		0	0	0	0	0		
	3,4	Size specifications	When this item is set to "Follows the machine information", if the machine information is uncertain, the centimeter size is used.	0	0	0	0	0	Follows the machine information.	
				1	1	1	1	1		
			Bit No. 3 4 Centimeter size 0 0 Inch size 1 0 Follows the machine information. 0 1 Follows the machine information. 1 1							
	5	Not used		0	0	0	0	0		
	6	Memory send/ Direct send default setting	1 Direct send / 0 Memory send	0	0	0	0	0	Memory send	YES
	7	Quick memory send	1 Enable / 0 Disable	1	1	1	1	1	Enable	YES
	8	Remote receive command	1 YES / 0 NO	1	1	1	1	1	YES	
7	1-8	Remote switch number setting	When a value outside of the setting range is set, the initial value is used. Binary input Setting range : 0 - 9	0	0	0	0	0	5	YES
				0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
				1	1	1	1	1		
				0	0	0	0	0		
				1	1	1	1	1		
8	1-3	Image quality priority selection		0	0	0	0	0	Normal text	YES
				0	0	0	0	0		
				0	0	0	0	0		
			Bit No. 1 2 3 Normal text 0 0 0 Fine 0 0 1 Super fine 0 1 0 Ultra fine 0 1 1 Not used 1 0 0 Fine + Half tone 1 0 1 Super fine + Half tone 1 1 0 Ultra fine + Half tone 1 1 1							
	4-8	Density default setting		0	0	0	0	0	Automatic	YES
				0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
			Bit No. 4 5 6 7 8 Automatic 0 0 0 0 0 Light 1 0 0 0 0 Slightly light 0 1 0 0 0 Medium 0 0 1 0 0 Slightly dark 0 0 0 1 0 Dark 0 0 0 0 1							
9	1	Not used		1	1	1	1	1		

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SW No.	Bit No.	Item	Switch serection and function	U.S.A.	CA	U.K	GR	FR	Initial value	Key operator
9	2	Transfer function	1 Enable / 0 Disable	0	0	0	0	0	Disable	YES
	3	Interface broadcast function	1 Enable / 0 Disable	1	1	1	1	1	Enable	
	4,5	Not used		0	0	0	0	0		
				0	0	0	0	0		
	6	Cover page function default setting	1 YES / 0 NO	0	0	0	0	0	NO	YES
	7	Number specification receive reject	1 Specified number receive rejection / 0 Specified number receive disregard	0	0	0	0	0	Specified number receive disregard	YES
	8	Number specification receive rejection in manual receive	1 Specified number receive rejection / 0 Specified number receive disregard	0	0	0	0	0	Specified number receive disregard	
10	1	F code interface broadcast function	1 Disable / 0 Enable	0	0	0	0	0	Enable	
	2	F code confidential receive function	1 Disable / 0 Enable	0	0	0	0	0	Enable	
	3	SUB capacity YES/ NO in receive	1 NO / 0 YES	0	0	0	0	0	YES	
	4	SEP capacity YES/ NO in receive	1 Disable / 0 Enable	0	0	0	0	0	Enable	
	5	Receive PWD capacity YES/NO	1 Disable / 0 Enable	0	0	0	0	0	Enable	
	6	Receive SID capacity YES/NO	1 Disable / 0 Enable	0	0	0	0	0	Enable	
	7	Bulletin board send system number judgment	1 Enable / 0 Disable	0	0	0	0	0	Disable	
	8	Send request protection	1 Not protect / 0 Protect	0	0	0	0	0	Protect	
11	1	Department management	Used to set Enable/Disable of the department management in the FAX mode. 1 Enable / 0 Disable	0	0	0	0	0	Disable	YES
	2	Not used		0	0	0	0	0		
	3	Sender telephone number registration	1 Disable / 0 Enable	0	0	0	0	0	Enable	YES
	4	Manual send selection menu display YES/NO	1 Display / 0 Not Display	1	1	1	1	1	Display	

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SW No.	Bit No.	Item	Switch serection and function	U.S.A.	CA	U.K	GR	FR	Initial value	Key operator
11	5-8	Distinctive ring	Enable only in U.S.A., Canada, Australia, and NZL. For Australia, and NZL, selection is limited to ON or OFF. (Setting other than OFF is regarded as ON.)	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	OFF	YES
			Bit No. 5 6 7 8 OFF 0 0 0 0 Standard/ON 0 0 0 1 Pattern 1 1 0 0 0 Pattern 2 0 1 0 0 Pattern 3 1 1 0 0 Pattern 4 0 0 1 0 Pattern 5 1 0 1 0							
12	1	Not used		1	1	0	0	0		
	2	Auto switch of Manual receive → Auto receive	Effective only for France. 1 Enable 0 Disable	0	0	0	0	0	Disable	
	3-6	Auto switch call number of Manual receive → Auto receive	Effective only for France. When this item is set to a value outside the setting range, it is regarded as the initial value. Binary input Setting range : 1 - 9times	1 0 0 1	1 0 0 1	1 0 0 1	1 0 0 1	1 0 0 1	9times	YES
	7	Not used		0	0	0	0	0		
	8	Remote selection type	1 Both of call in and call out 0 Only call in	0	0	0	0	0	Only call in	
13	1-4	Number of recalls when busy	When this item is set to a value outside the setting range, it is regarded as the initial value. Binary input Setting range 0 - 14 times (USA/Canada) 0 - 10 times (United Kingdom/Germany/France) 0 - 9 times (Australia/NZL)	0 0 1 0	0 0 1 0	0 0 1 0	0 0 1 0	0 0 1 0	2times	YES
	5-8	Resend interval when busy	When this item is set to a value outside the setting range, it is regarded as the initial value. Binary input Setting range 1 - 15min	0 0 1 1	0 0 1 1	0 0 1 1	0 0 1 1	0 0 1 1	3min	YES
14	1-4	Number of resends in a communication error	When this item is set to a value outside the setting range, it is regarded as the initial value. Binary input Setting range 0 - 1times (USA/Canada/Australia) 0 - 5times (United Kingdom/Germany/France)	0 0 0 1	0 0 0 1	0 0 0 1	0 0 0 1	0 0 0 1	1time	YES
	5-8	Resend interval in a communication error	When this item is set to a value outside the setting range, it is regarded as the initial value. Binary input Setting range : 0 - 15min 0 : Resend immediately after disconnection of the line	0 0 0 1	0 0 0 1	0 0 0 1	0 0 0 1	0 0 0 1	1min	YES
15	1-3	Not used		0 0 0	0 0 0	0 0 0	0 0 0	0 0 0		
	4-8	Signal send level	Binary input On the line : (- X + Offset) dBm X (SW) : 0 - 26 Offset (Attenuation) -2dB : North America -1dB : Europe	0 1 0 1 1	0 1 0 1 1	0 1 0 0 0	0 1 0 0 0	0 1 0 0 0	Follow the destination.	

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SW No.	Bit No.	Item	Switch serection and function	U.S.A.	CA	U.K	GR	FR	Initial value	Key operator
16	1-4	Modem speed (V.33 mode or less)		1	1	1	1	1	V.17 14.4kbps	
			Bit No. 1 2 3 4	0	0	0	0	0		
			V.27 2400bps 0 0 0 0	0	0	0	0	0		
			V.29 9600bps 0 0 0 1	0	0	0	0	0		
			V.27 4800bps 0 0 1 0							
			V.29 7200bps 0 0 1 1							
			V.33 14.4kbps 0 1 0 0							
			V.33 12.0kbps 0 1 1 0							
			V.17 9600bps 1 0 0 1							
			V.17 12.0kbps 1 0 1 0							
			V.17 7200bps 1 0 1 1							
			V.17 14.4kbps Other than the above							
	5,6	Modem speed fixed in receive		0	0	0	0	0	Not fixed	
			Bit No. 5 6	0	0	0	0	0		
			Not fixed 0 0							
			V.29 - 9600bps 0 1							
			V.27ter - 4800bps 1 0							
			V.17 - 14400bps 1 1							
	7	EOL detection timer	1 25sec 0 13sec	0	0	0	0	0	13sec	
	8	RTN EOL send number	1 6 times 0 12 times	1	1	1	1	1	6 times	
17	1	Not used		0	0	0	0	0		
	2	MH fixed (other than SG3)	1 YES 0 NO (Depending on the remote machine).	0	0	0	0	0	NO (Depending on the remote machine).	
	3	ECM MMR mode (other than SG3 mode)	1 YES 0 NO	1	1	1	1	1	YES	
	4	ECM JBIG mode (other than SG3)	1 YES 0 NO	1	1	1	1	1	YES	
	5	Not used		0	0	0	0	0		
	6	MH fixed (in case of SG3)	1 YES 0 NO (Depending on the remote machine).	0	0	0	0	0	NO (Depending on the remote machine).	
	7	ECM MMR mode (in case of SG3)	1 YES 0 NO	1	1	1	1	1	YES	
	8	ECM JBIG mode (in case of SG3)	1 YES 0 NO	1	1	1	1	1	YES	
18	1-4	Ring sound number setting	Binary input Setting range : 0 - 9 times	0	0	0	0	0	2times	YES
				0	0	0	0	0		
				1	1	1	1	1		
				0	0	0	0	0		
	5-8	Ring back toner limit number	Binary input Setting range 1 - 15 times 0 : No limitation	0	0	0	0	0	Fixed to 0.	
				0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		

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SW No.	Bit No.	Item	Switch serection and function	U.S.A.	CA	U.K	GR	FR	Initial value	Key operator
19	1-4	Minimum pause time (10PPS) setting	Binary input 0 (525ms) - 15 (900ms) X (ms) = (N x 25) + 525	1	1	1	1	1	Follow the destination.	
				0	0	1	1	1		
				0	0	0	0	0		
				1	1	0	0	0		
	5	Not used		0	0	0	0	0		
	6-8	Minimum pause time (20PPS) setting	Binary input 0 (375ms) - 7 (550ms) X (ms) = (N x 25) + 375	0	0	0	0	0	375ms	
				0	0	0	0	0		
				0	0	0	0	0		
20	1	Machine pseudo ringing	1 Not ring / 0 Ring	0	0	0	0	0	Ring	
	2-4	PBX setting	Set for other than Germany and France. Fixed to OFF. When this item is set to a value outside the setting range, it is regarded as the initial value. Bit No. 2 3 4 Setup OFF 0 0 0 Flash send 1 0 1 ID send 1 1 0	0	0	0	0	0	Setup OFF	YES
				0	0	0	0	0		
				0	0	0	0	0		
	5	SIM DTMF sound speaker selection window	1 YES / 0 NO	0	0	0	0	0	NO	
	6,7	Flash send wait time	Fixed to 0 for other than Germany. Bit No. 6 7 0sec 0 0 0.5sec 0 1 1sec 1 0 2sec 1 1	0	0	0	1	0	Follow the destination.	
				0	0	0	0	0		
	8	Remained memory capacity for receive	1 64kbyte / 0 128kbyte	0	0	0	0	0	128kbyte	
21	1	Dial tone detection	1 YES / 0 NO	1	1	0	0	0	Follow the destination.	
	2	Busy tone detection	1 YES / 0 NO	1	1	1	1	1	YES	
	3	Dial tone monitoring time	1 10sec / 0 5sec	0	0	0	0	0	5sec	
	4	CED detection time	1 500ms / 0 1000ms	0	0	0	0	0	1000ms	
	5-8	CNG detection time	Binary input Setting range : 0 - 15 sec	0	0	0	0	0	Fixed to 0	
				0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
22	1,2	Dial start wait time	Bit No. 1 2 3.5sec 0 0 4sec 0 1 5sec 1 0 6sec 1 1	0	0	0	0	0	3.5sec	
				0	0	0	0	0		

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SW No.	Bit No.	Item	Switch serection and function	U.S.A.	CA	U.K	GR	FR	Initial value	Key operator
22	3,4	CNG send start time		0	0	0	0	0	0.5sec	
			Bit No. 3 4 0.5sec 0 0 1.0sec 0 1 1.5sec 1 0	0	0	0	0	0		
	5,6	Tone/pulse default setting		1	1	1	1	1	TONE	YES
			Bit No. 5 6 10PPS 0 0 20PPS 0 1 TONE 1 0	0	0	0	0	0		
	7	DPMUTE control	1 ON 0 OFF	0	0	0	0	0	OFF	
	8	DP dial pulse number process	1 10 - N 0 Normal (N)	0	0	0	0	0	Normal (N)	
23	1	Not used		0	0	0	0	0		
	2	Polarity inversion monitor during communication	Fixed to “NO” for North America. 1 YES 0 NO	0	0	0	0	0	NO	
	3	Polarity inversion monitor during call-out	Fixed to “NO” for North America. 1 YES 0 NO	0	0	0	0	0	NO	
	4-8	Before-dial time (10PPS) setting	Binary input 0 (50ms) - 31 (360ms) X (ms) = (N x 10) + 50	0	0	1	1	1	Follow the destination.	
				0	0	1	1	1		
				0	0	0	0	0		
				0	0	0	0	0		
				1	1	1	1	1		
24	1-3	Before-dial time (20PPS) setting	Binary input 0 (50ms) - 7 (120ms) X (ms) = (N x 10) + 50	0	0	0	0	0	50ms	
				0	0	0	0	0		
				0	0	0	0	0		
	4	Not used		0	0	0	0	0		
	5-8	OFF HOOK wait time	Binary input Setting range 0 (50ms) - 15 (200ms) X (ms) = (N x 10) + 50	0	0	0	0	0	100ms	
				1	1	1	1	1		
				0	0	0	0	0		
				1	1	1	1	1		
25	1-4	Make time (10PPS) setting	Binary input Setting range 26 - 41ms 1ms interval	1	1	1	1	1	Follow the destination.	
				1	1	0	1	0		
				1	1	0	1	0		
				0	0	0	1	0		
	5-8	Make time (20PPS) setting	Binary input Setting range 9 - 24ms 1ms interval	0	0	0	0	0	Fixed to 0	
				0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
26	1-5	DTMF signal send time	Binary input 6 (60ms) - 31 (310ms) X (ms) = (N x 10)	0	0	0	0	0	110ms	
				1	1	1	1	1		
				0	0	0	0	0		
				1	1	1	1	1		
				1	1	1	1	1		
	6-8	Minimum pause time (DTMF) setting	Binary input 0 (90ms) - 7 (160ms) X (ms) = (N x 10) + 90	0	0	0	0	0	120ms	
				1	1	1	1	1		
				1	1	1	1	1		
27	1	Not used		0	0	0	0	0		
	2-4	Before-dial time (DTMF) setting	Binary input 0 (30ms) - 7 (100ms) X (ms) = (N x 10) + 30	0	0	0	0	0	50ms	
				1	1	1	1	1		
				0	0	0	0	0		

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SW No.	Bit No.	Item	Switch serection and function	U.S.A.	CA	U.K	GR	FR	Initial value	Key operator
27	5-8	DPMUTE OFF time setting after dial	Binary input 0 (5ms) - 15 (80ms) X (ms) = (N x 5) + 5	0	0	1	1	1	Follow the destination.	
				0	0	0	0	0		
				0	0	0	0	0		
				0	0	1	1	1		
28	1-4	Pause time setting	When this item is set to a value outside the setting range, it is regarded as the initial value. Binary input Setting range 1 - 15sec	0	0	0	0	0	2sec	YES
				0	0	0	0	0		
				1	1	1	1	1		
				0	0	0	0	0		
	5,6	Not used		0	0	0	0	0		
				0	0	0	0	0		
	7,8	Line open delay time in dial test		0	0	0	0	0	2sec	
				0	0	0	0	0		
29	1	Report table automatic print		0	0	0	0	0	NO	YES
	2	Communication report table time specification 1		0	0	0	0	0	Disable	YES
	3,4	Sequence of year, month, and date in LCD, report, and sender record	When this item is set to a value outside the setting range, it is regarded as the initial value.	0	0	1	1	1	Follow the destination.	
				1	1	0	0	0		
	5-8	Call time setting (TO timer setting) in automatic send	When this item is set to a value outside the setting range, it is regarded as the initial value. (Menu setting is made in the unit of 15sec). Binary input Setting range : 30 - 75sec In the unit of 5sec	0	0	0	0	0	45sec	YES
				0	0	0	0	0		
				1	1	1	1	1		
				1	1	1	1	1		
30	1-3	Silicon DAA mute boot time	Binary input 0 : 3.5sec 1 : 3.0sec 2 : 2.5sec 3 : 2.0sec 4 : 1.5sec 5 : 1.0sec 6 : 0.5sec 7 : No boot	0	0	0	0	0	3.5sec	
				0	0	0	0	0		
				0	0	0	0	0		
	4-8	Time specification print (o'clock) 1 on the communication report table	When this item is set to a value outside the setting range, it is regarded as the initial value. Binary input Setting range 00 - 23 o'clock	0	0	0	0	0	0 o'clock	YES
				0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
31	1	Dial tone ON/OFF detection time upper limit	Used to set the lower limit of the dial tone ON/OFF detection time.	0	0	0	0	0	700ms	
	2	Dial tone ON/OFF detection time lower limit	Used to set the upper limit of the dial tone ON/OFF detection time.	0	0	0	0	0	100ms	

Bit No.	7	8
2sec	0	0
3sec	0	1
4sec	1	0
5sec	1	1

1	YES	0	NO

1	Enable	0	Disable

Bit No.	3	4
Year, Month, Day	0	0
Month, Day, Year	0	1
Day, Month, Year	1	0
	1	1

1	400ms	0	700ms

1	300ms	0	100ms

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SW No.	Bit No.	Item	Switch serection and function	U.S.A.	CA	U.K	GR	FR	Initial value	Key operator
31	3-8	Time specification print (minute) 1 on the communication report table	When this item is set to a value outside the setting range, it is regarded as the initial value. Binary input Setting range 00 - 59min	0	0	0	0	0	0min	YES
				0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
32	1,2	Reception lamp	There are following three patterns of flashing start conditions of the reception lam Bit No. 3 4 Pattern 1:Storing the FAX print data into the memory is notified 0 0 Pattern 2: Printing the FAX data is notified. 0 1 Pattern 3: OFF 1 0	0	0	0	0	0	Pattern 1	YES
				0	0	0	0	0		
	3	Print hold key operation	Used to set whether print hold is enabled or disabled with the key operation. 1 Enable 0 Disable	0	0	0	0	0	Disable	
	4	Print hold function	Used to set whether the print hold function is enabled or disabled with the function menu. To enable, the setting (SW32-3) in the key operation must be allowed. 1 ON 0 OFF	0	0	0	0	0	OFF	YES
	5	Not used		0	0	0	0	0		
	6	Shift to the power interruption state when shutting off	1 Enable 0 Disable	1	1	1	1	1	Enable	
	7	Time display format	1 AM/PM 0 24H	1	1	0	0	0	Follow the destination.	
	8	Display with priority on the day of the week	1 YES 0 NO	0	0	0	1	1	Follow the destination.	
33	1	Not used		0	0	0	0	0		
	2	Report output to paper smaller than A4 (LTR)	1 Reduced as an A4 (LTR) image. 0 Reduced by the specified value.	0	0	0	0	0	Reduced by the specified value.	
	3	Sender TEL mark print text judgment	1 Telephone mark 0 FAX	0	0	0	0	0	FAX	
	4,5	Sent document content print in case of a memory send error	Bit No. 4 5 Not print 0 0 All print 0 1 In case of a send error 1 0	1	1	1	1	1	In case of a send error	
				0	0	0	0	0		
	6	Send document content print in F code send	SW33 - 4,5 must be set to output setting. 1 Not print 0 Print	1	1	1	1	1	Not Print	
	7	Image adding function to the report table in memory confidential send	1 YES 0 NO	0	0	0	0	0	NO	
	8	Communication report total time and quantity print	1 YES 0 NO	1	1	1	1	1	YES	

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SW No.	Bit No.	Item	Switch serection and function	U.S.A.	CA	U.K	GR	FR	Initial value	Key operator
34	1,2	Report output (receive)		0	0	0	0	0	Print Disable	YES
			Bit No. 1 2 Print Disable 0 0 All print 0 1 Only in an error 1 0	0	0	0	0	0		
	3,4	Report output (send)	When this item is set to a value outside the setting range, it is regarded as the initial value. Bit No. 3 4 Print Disable 0 0 All print 0 1 Only in a send error 1 0	1	1	1	1	1	Only in a send error	YES
				0	0	0	0	0		
	5	Report output (confidential receive)	1 Print 0 Not print	1	1	1	1	1	Print	YES
	6,7	Report output (sequential broadcast, sequential send request, interface broadcast send)	Bit No. 6 7 Print Disable 0 0 All print 0 1 Only for the destination of send error 1 0	0	0	0	0	0	All print	YES
				1	1	1	1	1		
	8	Report output in cancel	1 Output 0 Not output	0	0	0	0	0	Not output	YES
35	1	Automatic reduction print	1 Enable 0 Disable	1	1	1	1	1	Enable	YES
	2	Paper selection priority order	1 Priority on the width 0 Priority on the area	0	0	0	0	0	Priority on the area	
	3,4	Output condition setting	When this item is set to a value outside the setting range, it is regarded as the initial value. Bit No. 3 4 Reduction Enable 0 0 Normal 0 1 Division Enable 1 0	0	0	0	0	0	Reduction Enable	YES
				0	0	0	0	0		
	5-8	Automatic reduction magnification ratio	Binary input Setting range 0 - 15%	0	0	0	0	0	6%	
				1	1	1	1	1		
				1	1	1	1	1		
				0	0	0	0	0		
36	1-4	PC-FAX job end wait time	Binary input Setting range 0 (32min) - 15 (2min)	1	1	1	1	1	2min	
				1	1	1	1	1		
				1	1	1	1	1		
				1	1	1	1	1		
	5	Not used		0	0	0	0	0		
	6	Display time out setting	Used to set whether the FAX mode display time out is fixed to 1 min or it is linked with the key operation setting (however, less than 1 min is regarded as 1 min). 1 Variable (Linked with key operation) 0 Fixed (1 min)	0	0	0	0	0	Fixed (1 min)	
	7,8	Not used		0	0	0	0	0		
				0	0	0	0	0		
37	1	Not used		0	0	0	0	0		
	2	1m scan specification when no rotation send setting	1 1m scan specification 0 Normal operation	0	0	0	0	0	Normal operation	

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SW No.	Bit No.	Item	Switch serection and function	U.S.A.	CA	U.K	GR	FR	Initial value	Key operator
37	3	Rotation send selection (A4 → A4R)	1 YES / 0 NO	1	1	1	1	1	YES	YES
	4	Rotation send selection (B5R → B5)	1 YES / 0 NO	1	1	1	1	1	YES	YES
	5	Rotation send selection (A5R → A5)	1 YES / 0 NO	1	1	1	1	1	YES	YES
	6	Rotation send selection (11" x 8.5" → 8.5" x 11")	1 YES / 0 NO	1	1	1	1	1	YES	YES
	7	Not used		1	1	1	1	1		
	8	Rotation scan word number calculation	1 Fraction rounded up / 0 Fraction rounded off	0	0	0	0	0	Fraction rounded off	
38	1	Protocol monitor	1 YES / 0 NO	0	0	0	0	0	NO	
	2	Output only in case of an error of the protocol monitor	1 YES / 0 NO	0	0	0	0	0	NO	
	3	Protocol monitor save	1 Save / 0 Disable	1	1	1	1	1	Save	
	4,5	Line sound monitor range	When this item is set to a value outside the setting range, it is regarded as the initial value.	0	0	0	0	0	Up to send/ receive of NSF signal	
				1	1	1	1	1		
			Bit No. 4 5 OFF 0 0 Up to send/receive of NSF signal 0 1 All 1 0 1 1							
	6	Line monitor display	1 YES / 0 NO	0	0	0	0	0	NO	
	7,8	Not used		0	0	0	0	0		
				0	0	0	0	0		
39	1	Receive document output setting in receive	1 Output collectively after completion of receive. / 0 Output for every page receive.	0	0	1	1	1	Follow the destination.	
	2	Data output specification in communication error during receive	1 Not output / 0 Output	0	0	0	0	0	Output	
	3	Memory over during receive	1 Output / 0 Not output	1	1	1	1	1	Output	
	4	Output method (AB series) in A3 width receive	1 297mm width / 0 11inch width	1	1	1	1	1	297mm width	
	5	Output method (AB series) in A4 width receive	1 8.5 inch width print / 0 210mm width print	0	0	0	0	0	210mm width print	
	6	Output method (Inch series) in A3 width receive	1 297mm width / 0 11inch width	0	0	0	0	0	11inch width	
	7	Output method (Inch series) in A4 width receive	1 8.5 inch width print / 0 210mm width print	1	1	1	1	1	8.5 inch width print	

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SW No.	Bit No.	Item	Switch serection and function	U.S.A.	CA	U.K	GR	FR	Initial value	Key operator
39	8	Interface data output	1 YES / 0 NO	1	1	1	1	1	YES	
40	1	Rotation print	1 Enable / 0 Disable	1	1	1	1	1	Enable	
	2	Overtaking print setting	1 Overtaking print YES / 0 Overtaking print NO	1	1	1	1	1	Overtaking print YES	YES
	3	Page number print setting	1 YES / 0 NO	1	1	1	1	1	YES	YES
	4	Index print setting	1 Print / 0 Not print	0	0	0	0	0	Not print	YES
	5	Duplex rotation print specification	1 YES / 0 NO	1	1	1	1	1	YES	
	6	Receive data duplex print setting	1 YES / 0 NO	0	0	0	0	0	NO	YES
	7	Duplex print sequence specification	1 Print sequence (214365 • • •) / 0 Receive sequence (123456 • • •)	1	1	1	1	1	Print sequence (214365 • • •)	
	8	Duplex back surface print rotation direction specification	1 180 degrees rotation YES / 0 180 degrees rotation NO	1	1	1	1	1	180 degrees rotation YES	
41	1	External telephone connection	1 YES / 0 NO	1	1	1	1	1	YES	YES
	2-4	Not used		0 0 0	0 0 0	0 0 0	0 0 0	0 0 0		
	5-8	Interval from completion of communication to next call out	Only for China, this setting is enabled even in busy or no response. Binary input Setting range 0 - 15 sec	0 0 0 1	0 0 0 1	0 1 1 0	0 1 1 0	0 1 1 0	Follow the destination.	
42	1-3	Communication completion sound length (Buzzer length)	Binary input 1:2.0 sec 2:2.5 sec 3:3.0 sec 4:3.5 sec 5:4.0 sec	0 1 1	0 1 1	0 1 1	0 1 1	0 1 1	3.0sec	YES
	4,5	Send completion tone	Bit No. 4 5 550Hz 0 0 1000Hz 0 1 1700Hz 1 0	0 1	0 1	0 1	0 1	0 1	1000Hz	YES
	6,7	Receive completion tone	Bit No. 6 7 550Hz 0 0 1000Hz 0 1 1700 1 0	0 1	0 1	0 1	0 1	0 1	1000Hz	YES
	8	V.34 mode function in manual communication	1 ON / 0 OFF	1	1	1	1	1	ON	
43	1	V.34 mode function	1 ON / 0 OFF	1	1	1	1	1	ON	

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SW No.	Bit No.	Item	Switch serection and function	U.S.A.	CA	U.K	GR	FR	Initial value	Key operator
43	2	Resend in case of an error, Super G3 disable in the last call out	1 Enable / 0 Disable	0	0	0	0	0	Disable	
	3	V.34 primary channel return mode	1 PPh / 0 Sh	1	1	1	1	1	PPh	
	4-6	Symbol speed mask in V.34 receive	Bit No. 4 5 6 2400 0 0 0 2743 0 0 1 2800 0 1 0 3000 0 1 1 3200 1 0 0 3429 1 0 1	1 0 1	1 0 1	1 0 1	1 0 1	1 0 1	3429	
	7	V.34 control channel communication speed	1 2400bps / 0 1200bps	0	0	0	0	0	1200bps	
	8	Control channel retrain judgment in V.34 receive	1 EQM value disregarded / 0 EQM value judged	0	0	0	0	0	EQM value judged	
44	1-4	V.34 primary channel send speed	Binary input Send speed = 2400 (bps) x N However, 0 = 2400bps 15 = 33600bps	1 1 1 0	1 1 1 0	1 1 1 0	1 1 1 0	1 1 1 0	33600bps	
	5-8	V.34 primary channel receive speed	Binary input Send speed = 2400 (bps) x N However, N is: 0 = 2400bps 15 = 33600bps	1 1 1 0	1 1 1 0	1 1 1 0	1 1 1 0	1 1 1 0	33600bps	
45	1,2	Scanner scanning completion speaker sound volume	Bit No. 1 2 Mute 0 0 Small 0 1 Medium 1 0 Large 1 1	1 0	1 0	1 0	1 0	1 0	Medium	YES
	3-8	Scanning sound volume pattern number	Binary input Setting range Pattern number 1 - 35	0 1 0 1 0 1	0 1 0 1 0 1	0 1 0 1 0 1	0 1 0 1 0 1	0 1 0 1 0 1	21	
46	1,2	Speaker sound volume in DTMF send	Bit No. 1 2 Mute 0 0 Small 0 1 Medium 1 0 Large 1 1	1 0	1 0	1 0	1 0	1 0	Medium	YES
	3-8	Sound volume pattern number in DTMF send	Binary input Setting range Pattern number 1 - 35	0 1 0 1 0 1	0 1 0 1 0 1	0 1 0 1 0 1	0 1 0 1 0 1	0 1 0 1 0 1	21	

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SW No.	Bit No.	Item	Switch serection and function	U.S.A.	CA	U.K	GR	FR	Initial value	Key operator
47	1,2	Line monitor speaker sound volume		1	1	0	0	0	Follow the destination.	YES
				0	0	0	0	0		
			Bit No. 1 2 Mute 0 0 Small 0 1 Medium 1 0 Large 1 1							
	3-8	Line monitor sound volume pattern number	Binary input Setting range Pattern number 1 - 35	0	0	0	0	0	21	
				1	1	1	1	1		
				0	0	0	0	0		
				1	1	1	1	1		
				0	0	0	0	0		
				1	1	1	1	1		
48	1,2	Communication completion sound speaker sound volume		1	1	1	1	1	Medium	YES
				0	0	0	0	0		
			Bit No. 1 2 Mute 0 0 Small 0 1 Medium 1 0 Large 1 1							
	3-8	Communication completion sound volume pattern number	Binary input Setting range Pattern number 1 - 35	0	0	0	0	0	21	
				1	1	1	1	1		
				0	0	0	0	0		
				1	1	1	1	1		
				0	0	0	0	0		
				1	1	1	1	1		
49	1,2	Onhook speaker sound volume		1	1	1	1	1	Medium	YES
				0	0	0	0	0		
			Bit No. 1 2 Medium 0 0 Small 0 1 Medium 1 0 Large 1 1							
	3-8	Onhook sound volume pattern number	Binary input Setting range Pattern number 1 - 35	0	0	0	0	0	21	
				1	1	1	1	1		
				0	0	0	0	0		
				1	1	1	1	1		
				0	0	0	0	0		
				1	1	1	1	1		
50	1,2	Calling sound volume		1	1	1	1	1	Medium	YES
				0	0	0	0	0		
			Bit No. 1 2 Mute 0 0 Small 0 1 Medium 1 0 Large 1 1							
	3-8	Calling sound volume pattern number	Binary input Setting range Pattern number 1 - 35	0	0	0	0	0	21	
				1	1	1	1	1		
				0	0	0	0	0		
				1	1	1	1	1		
				0	0	0	0	0		
				1	1	1	1	1		

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SW No.	Bit No.	Item	Switch serection and function	U.S.A.	CA	U.K	GR	FR	Initial value	Key operator
51	1,2	Busy tone detection frequency		0	0	0	0	0	2pulses	
				0	0	0	0	0		

Bit No.	1	2
2pulses	0	0
4pulses	0	1
6pulses	1	0
10pulses	1	1

	3	Busy tone detection time upper limit	1 650ms / 0 750ms	0	0	0	0	0	750ms	
	4	Busy tone detection time lower limit	1 350ms / 0 250ms	0	0	0	0	0	250ms	
	5	Busy tone detection time lower limit 2	1 150ms / 0 Follows SW51-4.	0	0	0	0	0	Follows SW51-4.	
	6	1300Hz detection	1 Not detect / 0 Detect	1	1	1	1	1	Not detect	
	7	1300 Hz detection time	1 3sec / 0 2.5sec	0	0	0	0	0	2.5sec	
	8	SDT signal detection	1 YES / 0 NO	0	0	0	0	0	NO	
52	1,2	DT/BT detection frequency range		0	0	0	0	0	420Hz - 680Hz	
				1	1	1	1	1		

Bit No.	1	2
Modem fixed (400Hz)	0	0
420Hz - 680Hz	0	1
360Hz - 440Hz	1	0
245Hz - 650Hz	1	1

	3	Busy tone detection level table	1 Variable (SRAM) / 0 Constant (ROM)	0	0	0	0	0	Constant (ROM)	
	4,5	Busy tone detection level		0	0	0	0	0	-43dB	
				0	0	0	0	0		

Bit No.	4	5
-43dB	0	0
-35dB	0	1
-33dB	1	0
-30dB	1	1

	6	Mute detection level table	1 Variable (SRAM) / 0 Constant (ROM)	0	0	0	0	0	Constant (ROM)	
	7,8	Mute detection level	When this item is set to a value outside the setting range, it is regarded as the initial value.	0	0	0	0	0	-37dB	
				0	0	0	0	0		

Bit No.	7	8
-37dB	0	0
-40dB	0	1
-43dB	1	0
-34dB		

53	1-8	Not used		0	0	0	0	0		
				1	1	1	1	1		
				1	1	1	1	1		
				0	0	0	0	0		
				0	0	0	0	0		
				1	1	1	1	1		
				0	0	0	0	0		
				1	1	1	1	1		

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SW No.	Bit No.	Item	Switch serection and function	U.S.A.	CA	U.K	GR	FR	Initial value	Key operator
54	1-8	Not used		0	0	0	0	0		
				0	0	0	0	0		
				0	0	1	1	1		
				0	0	0	0	0		
				0	0	1	1	1		
				1	1	1	1	1		
				0	0	0	0	0		
				0	0	0	0	0		
55	1-8	Not used		0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
				0	0	1	1	1		
				0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
56	1-8	Not used		0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
				1	1	1	1	1		
				0	0	0	0	0		
57	1-4	Ring back tone ON time	Binary input Setting range 0 - 3 sec 200ms interval Fixed to 0	0	0	0	0	0	Fixed to 0	
				0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
	5-8	Ring back tone OFF time	Binary input Setting range 0 - 3 sec 200ms interval	0	0	0	0	0	Fixed to 0	
				0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
58	1,2	Not used		0	0	0	0	0		
				0	0	0	0	0		
	3-8	External connection sound volume	Binary input 0 (0.0dBm) - 48 (- 24.0dBm) Step 0.5dBm 49 (- 28.0dBm) 50 (- 32.0dBm) 51 (- 36.0dBm) 52 (- 40.0dBm) 53 (- 48.0dBm) 54 (- 56.0dBm) 55 (- 63.0dBm) 56 (- ∞ (Mute))	0	0	0	0	0	-10dBm	
				1	1	1	1	1		
				0	0	0	0	0		
				1	1	1	1	1		
				0	0	0	0	0		
				0	0	0	0	0		
59	1-4	Signal send level Max.	Binary input On the line : (- X + Offset) dBm X (SW) : 0 -15 Offset (Attenuation) -2dB : North America -1dB : Europe	1	1	0	0	0	Follow the destination.	
				0	0	1	1	1		
				0	0	1	1	1		
				0	0	0	0	0		
	5,6	Send cable amplitude equalizer		0	0	0	0	0	0db	
				0	0	0	0	0		

Bit No.	5	6
0db	0	0
4db	0	1
8db	1	0
12db	1	1

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SW No.	Bit No.	Item	Switch serection and function	U.S.A.	CA	U.K	GR	FR	Initial value	Key operator
59	7,8	Receive cable amplitude equalizer		0	0	0	0	0	0db	
			Bit No. 7 8 0db 0 0 4db 0 1 8db 1 0 12db 1 1	0	0	0	0	0		
60	1,2	Receive SED ON level		1	1	1	1	1	- 48db	
			Bit No. 1 2 - 43db 0 0 - 38db 0 1 - 33db 1 0 - 48db 1 1	1	1	1	1	1		
	3	Busy tone detection time upper limit 2	1 950ms 0 Follows SW51 - 3	0	0	0	0	0	Follows SW51 - 3	
	4-8	Receive gain correction	Binary input 0 (+ 6.0dBm) - 24 (- 6.0dBm) Step 0.5dBm	0	0	0	0	0	0.0dBm	
				1	1	1	1	1		
				1	1	1	1	1		
				0	0	0	0	0		
				0	0	0	0	0		
61	1	Not used		1	1	1	1	1		
	2-8	Sound send level	Binary input 0 (10.0dBm) - 68 (- 24.0dBm) Step 0.5dBm 69 (- 28.0dBm) 70 (- 32.0dBm) 71 (- 36.0dBm) 72 (- 40.0dBm) 73 (- 48.0dBm) 74 (- 56.0dBm) 75 (- 63.0dBm) 76 (- ∞ (Mute))	0	0	0	0	0	- 5.0dBm	
				0	0	0	0	0		
				1	1	1	1	1		
				1	1	1	1	1		
				1	1	1	1	1		
				1	1	1	1	1		
				0	0	0	0	0		
62	1,2	Not used		0	0	0	0	0		
				0	0	0	0	0		
	3-8	Handset MIC sound volume	Binary input 0 (0.0dBm) - 48 (- 24.0dBm) Step 0.5dBm 49 (- 28.0dBm) 50 (- 32.0dBm) 51 (- 36.0dBm) 52 (- 40.0dBm) 53 (- 48.0dBm) 54 (- 56.0dBm) 55 (- 63.0dBm) 56 (- ∞ (Mute))	0	0	0	0	0	0dBm	
				0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
63	1-8	Not used		1	1	1	1	1		
				1	1	1	1	1		
				1	1	1	1	1		
				0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
				1	1	1	1	1		
				0	0	0	0	0		
64	1-3	Ring back tone send level correction	Binary input Setting range 0 (0dBm) - 7 (- 7dBm)	1	1	1	1	1	- 5dBm	
				0	0	0	0	0		
				1	1	1	1	1		

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SW No.	Bit No.	Item	Switch serection and function	U.S.A.	CA	U.K	GR	FR	Initial value	Key operator
64	4-8	DTMF send level (High area)	Binary input times on the line : (- X + Offset) dBm X (SW) : 0 - 21 Offset (Attenuation) -2dB : North America -1dB : Europe	0	0	0	0	0	Follow the destination.	
				0	0	0	0	0		
				1	1	1	1	1		
				0	0	1	1	1		
				0	0	0	0	0		
65	1-4	DTMF send MAX. level	Binary input Setting range 0 (0.0dBm) - 15 (- 15.0dBm)	0	0	0	0	0	0dBm	
				0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
	5-8	DTMF send level (Difference between high area and low area)	Setting range 0 (- 2.0dBm) - 15 (+ 5.5dBm) Step 0.5dBm	1	1	1	1	1	2.0dBm	
				0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
66	1	Default date, sender print	1 ON 0 OFF	1	1	1	1	1	ON	YES
	2	Department name notification	1 ON 0 OFF	0	0	0	0	0	OFF	YES
	3	Date/sender print position setting	1 Inside of document 0 Outside of document	0	0	0	0	0	Outside of document	YES
	4	Not used		0	0	0	0	0		
	5	Department number print	Used to set whether the department number (2-digit serial number of department) or the department code (department pass code, 5 digits) is described in the “Department” column of the communication report and the communication report table when the department function is enable. 1 ON 0 OFF	0	0	0	0	0	OFF	
	6-8	Polarity inversion settlement time	Binary input Setting range 200 - 1600ms	0	0	0	0	0	200ms	
				0	0	0	0	0		
				0	0	0	0	0		
67	1-4	After sending CFR, both wait is inhibited for 1.6sec.	Binary input Setting range 0 - 3000ms	1	1	1	1	1	1600ms	
				0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
	5	Communication time measurement (image)	1 YES 0 NO	1	1	1	1	1	YES	
	6	Reduction send mode	1 Normal 0 Reduction	0	0	0	0	0	Reduction	YES
	7	ECM	1 YES 0 NO	1	1	1	1	1	YES	
	8	ECM byte/frame	1 64 [bytes/frame] 0 256 [bytes/frame]	0	0	0	0	0	256 [bytes/ frame]	
68	1	Recording paper tray selection (tray 1)	1 ON 0 OFF	1	1	1	1	1	ON	YES
	2	Recording paper tray selection (tray 2)	1 ON 0 OFF	1	1	1	1	1	ON	YES
	3	Recording paper tray selection (tray 3)	1 ON 0 OFF	1	1	1	1	1	ON	YES
	4	Recording paper tray selection (tray 4)	1 ON 0 OFF	1	1	1	1	1	ON	YES

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SW No.	Bit No.	Item	Switch serection and function	U.S.A.	CA	U.K	GR	FR	Initial value	Key operator
68	5	Duplex tray print specification (tray 1)	1 ON 0 OFF	1	1	1	1	1	ON	YES
	6	Duplex tray print specification (tray 2)	1 ON 0 OFF	1	1	1	1	1	ON	YES
	7	Duplex tray print specification (tray 3)	1 ON 0 OFF	1	1	1	1	1	ON	YES
	8	Duplex tray print specification (tray 4)	1 ON 0 OFF	1	1	1	1	1	ON	YES
69	1,2	Receive size specification (Indicating the receive capacity)	Bit No. 1 2 Depends on the installed cassette. 0 0 B4 (A4/B4) 0 1 A4 1 0 A3 (A4/B4/A3)j 1 1	0 0	0 0	0 0	0 0	0 0	Depends on the installed cassette.	
	3	11 inch receive capacity setting	1 255mm or 215mm 0 303mm or 255mm or 215mm	0	0	0	0	0	303mm or 255mm or 215mm	
	4	Max. length of receive	1 No limitation 0 1.5m	0	0	0	0	0	1.5m	
	5,6	Send request image quality capacity	Bit No. 5 6 Ultra fine 0 0 Super fine 0 1 Fine 1 0 Normal 1 1	0 0	0 0	0 0	0 0	0 0	Ultra fine	
	7	Countermeasures against echo in receive (CED tone send interval)	1 500ms 0 75ms	0	0	0	0	0	75ms	
	8	Countermeasures against echo in send (The hold time until signal send is set after DIS receive.)	1 500ms 0 200ms	0	0	0	0	0	200ms	
70	1	CED signal send	1 YES 0 NO	1	1	1	1	1	YES	
	2	CSI send	1 YES 0 NO	1	1	1	1	1	YES	
	3	DIS receive check in G3 send	Functions only for other than SG3. 1 Twice 0 Once	0	0	0	0	0	Once	

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SW No.	Bit No.	Item	Switch serection and function	U.S.A.	CA	U.K	GR	FR	Initial value	Key operator
70	4,5	DIS receive process selection in receive		0	0	0	0	0	Judged as an echo has been received, and the command is resent.	
			Bit No. 4 5 Judged as an echo has been received, and the command is resent. 0 0 The line is disconnected as an improper DIS. 0 1 When DIS is a receiver and there is a polled document, polled send is made. For the other cases, a judgment is made as an echo has been received, and the command is resent. 1 0 When DIS is a receiver and there is a polled document, polled send is made. When DIS is a transmitter, a judgment is made as an echo has been received, and the command is resent.For the other cases, a judgment is made as an improper DIS, and the times line is disconnected. 1 1	0	0	0	0	0		
	6	Enable/Disable after DIS 41Bit	1 Disable 0 Enable	0	0	0	0	0	Enable	
	7	Interval time between DCS and TCF	1 75ms 0 150ms	1	1	1	1	1	75ms	
	8	TCF check time	Check judgment is severer for 1.3sec. 1 1.0sec 0 13.sec	1	1	1	1	1	1.0sec	
71	1-3	Not used		0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
	4	Telephone line time	Fixed to Enable for USA and Canada. 1 Disable 0 Enable	0	0	1	1	1	Follow the destination.	
	5	Not used		0	0	0	0	0		
	6-8	Dial-in wait time	Binary input Setting range 0 - 7 (1000ms - 2400ms)	0	0	0	0	0	1400ms	
				1	1	1	1	1		
				0	0	0	0	0		
72	1,2	RCP send number		0	0	0	0	0	3times	
			Bit No. 1 2 3times 0 0 6times 0 1 9times 1 0 12times 1 1	0	0	0	0	0		
	3-6	Flag detection byte number	Binary input Setting range 0 - 15	0	0	0	0	0	4	
				1	1	1	1	1		
				0	0	0	0	0		
				0	0	0	0	0		
	7	EYE-Q check	1 EYE-Q check only 0 O receive and EYE-Q check	0	0	0	0	0	O receive and EYE-Q check	
	8	Operation in ERR frame receive	1 Continues the process. 0 Not continue the process (Error).	0	0	0	0	0	Not continue the process (Error).	
73	1	Error process in RTN receive	1 Not error 0 Error	0	0	0	0	0	Error	

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SW No.	Bit No.	Item	Switch serection and function	U.S.A.	CA	U.K	GR	FR	Initial value	Key operator
73	2,3	RTN send line error rate		1	1	1	1	1	60lines	
			Bit No. 2 3 6lines 0 0 12lines 0 1 60lines 1 0 120lines 1 1	0	0	0	0	0		
	4,5	Timer setting (V.21 - FSK) between flag - adrs		0	0	0	0	0	6sec	
			Bit No. 4 5 6sec 0 0 15sec 0 1 30sec 1 0 120sec 1 1	0	0	0	0	0		
	6	Receive wait time between frames	1 4.4sec 0 3.4sec	0	0	0	0	0	3.4sec	
	7,8	Min. flag number between frames		0	0	0	0	0	2-flag	
			Bit No. 7 8 2-flag 0 0 3-flag 0 1 4-flag 1 0 5-flag 1 1	0	0	0	0	0		
74	1-4	FSK signal settlement time in both wait	Binary input Settled time = 50 (ms) x N + 200 (ms)	0	0	0	0	0	400ms	
				1	1	1	1	1		
				0	0	0	0	0		
				0	0	0	0	0		
	5,6	300bps preamble send time		0	0	0	0	0	1.0sec	
			Bit No. 5 6 0.5sec 0 0 1.0sec 0 1 1.5sec 1 0 2.0sec 1 1	1	1	1	1	1		
	7,8	Phase C head dummy data send time		0	0	0	0	0	0.2sec	
			Bit No. 7 8 0.2sec 0 0 0.3sec 0 1 0.4sec 1 0 0.5sec 1 1	0	0	0	0	0		
75	1,2	CED send start wait time		0	0	0	0	0	2.25sec	
			Bit No. 1 2 2.25sec 0 0 3.0sec 0 1 4.0sec 1 0	0	0	0	0	0		
	3,4	CED signal send time		0	0	0	0	0	3.0sec	
			Bit No. 3 4 3.0sec 0 0 4.0sec 0 1 5.0sec 1 0 6.0sec 1 1	0	0	0	0	0		

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SW No.	Bit No.	Item	Switch serection and function	U.S.A.	CA	U.K	GR	FR	Initial value	Key operator
75	5,6	ANSam send start wait time		0	0	0	0	0	2.25sec	
			Bit No. 5 6 2.25sec 0 0 3.0sec 0 1 4.0sec 1 0	0	0	0	0	0		
	7,8	ANSam signal send time		0	0	0	0	0	4.0sec	
			Bit No. 7 8 3.0sec 0 0 4.0sec 0 1 5.0sec 1 0 6.0sec 1 1	1	1	1	1	1		
76	1-8	Not used		1	1	1	1	1		
				0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
				1	1	1	1	1		
				1	1	1	1	1		
				0	0	0	0	0		
				1	1	1	1	1		
77	1-8	Not used		0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
				1	1	1	1	1		
				0	0	0	0	0		
				0	0	1	1	1		
				0	0	0	0	0		
78	1-8	Not used		0	0	0	0	0		
				1	1	1	1	1		
				0	0	0	0	0		
				1	1	1	1	1		
				1	1	1	1	1		
				0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
79	1-8	Not used		0	0	0	0	0		
				1	1	1	1	1		
				0	0	0	0	0		
				1	1	1	1	1		
				1	1	1	1	1		
				0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
80	1-8	Not used		0	0	0	0	0		
				1	1	1	1	1		
				0	0	0	0	0		
				1	1	1	1	1		
				1	1	1	1	1		
				0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		

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SW No.	Bit No.	Item	Switch serection and function	U.S.A.	CA	U.K	GR	FR	Initial value	Key operator
81	1-8	Not used		0	0	0	0	0		
				1	1	1	1	1		
				0	0	0	0	0		
				1	1	1	1	1		
				1	1	1	1	1		
				0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
82	1	V.8 mode CI signal ON time	1 18byte 0 9byte	0	0	0	0	0	9byte	
	2	V.8 mode CI signal OFF time	1 2sec 0 1sec	0	0	0	0	0	1sec	
	3	Not used		0	0	0	0	0		
	4,5	CI receive number for shifting to non-V.34 communication		1	1	1	1	1	2times	
				0	0	0	0	0		
	6-8	CI send number for shifting to non-V.34 communication	Binary input When N=0, retrain is not made. 0 - 7	0	0	0	0	0	2	
				1	1	1	1	1		
				0	0	0	0	0		
83	1-8	Not used		0	0	0	0	0		
				0	0	0	0	0		
				1	1	1	1	1		
				1	1	1	1	1		
				1	1	1	1	1		
				1	1	1	1	1		
				1	1	1	1	1		
				1	1	1	1	1		
84	1-8	Not used		1	1	1	1	1		
				1	1	1	1	1		
				1	1	1	1	1		
				1	1	1	1	1		
				1	1	1	1	1		
				1	1	1	1	1		
				1	1	1	1	1		
				1	1	1	1	1		
85	1-8	Not used		1	1	1	1	1		
				1	1	1	1	1		
				1	1	1	1	1		
				1	1	1	1	1		
				1	1	1	1	1		
				1	1	1	1	1		
				1	1	1	1	1		
				1	1	1	1	1		
86	1	Not used		0	0	0	0	0		
	2,3	CI detection	When this item is set to a value outside the setting range, it is regarded as the initial value.	0	0	0	0	0	4sine wave	
				0	0	0	0	0		

Bit No.	4	5
Not shifted	0	0
1times	0	1
2times	1	0
3times	1	1

Bit No.	2	3
4sine wave	0	0
3sine wave	0	1
2sine wave	1	0
	1	1

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SW No.	Bit No.	Item	Switch serection and function	U.S.A.	CA	U.K	GR	FR	Initial value	Key operator
86	4,5	CI extinction max. OFF time		0	0	0	0	0	10sec	
				1	1	1	1	1		
	6-8	Not used		0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
87	1-7	CI signal OFF detection enable time	Binary input Setting range 0 - 1270ms Unit of 10ms	1	1	1	1	1	1200ms	
				1	1	1	1	1		
				1	1	1	1	1		
				1	1	1	1	1		
				0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
	8	Not used		0	0	0	0	0		
88	1-8	Not used		0	0	0	0	0		
				1	1	1	1	1		
				0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
				1	1	1	1	1		
				1	1	1	1	1		
				0	0	0	0	0		
89	1-8	Not used		1	1	1	1	1		
				1	1	1	1	1		
				0	0	0	0	0		
				1	1	1	1	1		
				1	1	1	1	1		
				0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
90	1-8	Not used		0	0	0	0	0		
				1	1	1	1	1		
				1	1	1	1	1		
				1	1	1	1	1		
				1	1	1	1	1		
				1	1	1	1	1		
				1	1	1	1	1		
				1	1	1	1	1		
91	1-8	Not used		0	0	0	0	0		
				1	1	1	1	1		
				0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		

Bit No.	4	5
5sec	0	0
10sec	0	1
15sec	1	0
20sec	1	1

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SW No.	Bit No.	Item	Switch serection and function	U.S.A.	CA	U.K	GR	FR	Initial value	Key operator
92	1-8	Not used		0	0	0	0	0		
				1	1	1	1	1		
				0	0	0	0	0		
				1	1	1	1	1		
				1	1	1	1	1		
				0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
93	1-8	Not used		1	1	1	1	1		
				0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
				0	0	1	1	1		
				0	0	0	0	0		
94	1-8	Not used		0	0	0	0	0		
				0	0	0	0	0		
				1	1	1	1	1		
				0	0	0	0	0		
				1	1	1	1	1		
				1	1	1	1	1		
				0	0	0	0	0		
				1	1	1	1	1		
95	1-4	Not used		0	0	0	0	0		
				1	1	1	1	1		
				0	0	0	0	0		
				1	1	1	1	1		
	5-8	T1 timer setting	Binary input Setting range 15 - 90 sec 5 sec interval	0	0	0	0	0	40sec	
				1	1	1	1	1		
				0	0	0	0	0		
				1	1	1	1	1		
96	1-8	Not used		0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
97	1-8	Not used		0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
98	1-8	Not used		0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		

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99	1-8	Not used		0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
100	1-8	Not used		0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
				1	1	1	1	1		
				0	0	0	0	0		
				0	0	0	0	0		
101	1-8	Not used		0	0	0	0	0		
				0	0	0	0	0		
				1	1	1	1	1		
				1	1	1	1	1		
				1	1	1	1	1		
				1	1	1	1	1		
				0	0	0	0	0		
				0	0	0	0	0		
102	1-8	Not used		0	0	0	0	0		
				0	0	0	0	0		
				1	1	1	1	1		
				0	0	0	0	0		
				1	1	1	1	1		
				1	1	1	1	1		
				0	0	0	0	0		
				1	1	1	1	1		
103	1-8	Not used		0	0	0	0	0		
				1	1	1	1	1		
				1	1	1	1	1		
				0	0	0	0	0		
				1	1	1	1	1		
				1	1	1	1	1		
				0	0	0	0	0		
				1	1	1	1	1		
104	1-8	Not used		0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
105	1-8	Not used		0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		

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SW No.	Bit No.	Item	Switch serection and function	U.S.A.	CA	U.K	GR	FR	Initial value	Key operator
106	1-8	Not used		1	1	1	1	1		
				0	0	0	0	0		
				1	1	1	1	1		
				0	0	0	0	0		
				1	1	1	1	1		
				1	1	1	1	1		
				0	0	0	0	0		
				1	1	1	1	1		
107	1-8	Not used		0	0	0	0	0		
				0	0	0	0	0		
				1	1	1	1	1		
				0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
108	1,2	Not used		0	0	0	0	0		
				0	0	0	0	0		
	3	Ring ON OFFSET	1 + 100ms / 0 -	0	0	0	0	0	-	
	4	Ring OFF OFFSET	1 + 100ms / 0 -	0	0	0	0	0	-	
	5-8	Not used		0	0	0	0	0		
				1	1	1	1	1		
				0	0	0	0	0		
				1	1	1	1	1		
109	1-4	Print lead edge adjustment (Left edge position)	1 - / 0 + Binary input Setting range 0 - ± 112 dots 16 dots interval	0	0	0	0	0	+ 48dots	
				0	0	0	0	0		
				1	1	1	1	1		
				1	1	1	1	1		
	5-8	Print lead edge adjustment (Lead edge position)	1 - / 0 + Binary input Setting range 0 - ± 112 lines 16 lines interval	0	0	0	0	0	+ 48lines	
				0	0	0	0	0		
				1	1	1	1	1		
				1	1	1	1	1		
110	1-4	Print lead edge adjustment (Rear edge position)	1 - / 0 + Binary input Setting range 0 - ± 112 lines 16 lines interval	0	0	0	0	0	+ 48lines	
				0	0	0	0	0		
				1	1	1	1	1		
				1	1	1	1	1		
	5-8	Print lead edge adjustment (Left edge position)	1 - / 0 + Binary input Setting range 0 - ± 112 dots 16 dots interval	0	0	0	0	0	+ 48dots	
				0	0	0	0	0		
				1	1	1	1	1		
				1	1	1	1	1		
111	1-4	Print lead edge adjustment (Lead edge position)	1 - / 0 + Binary input Setting range 0 - ± 112 lines 16 lines interval	0	0	0	0	0	+ 48lines	
				0	0	0	0	0		
				1	1	1	1	1		
				1	1	1	1	1		

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SW No.	Bit No.	Item	Switch serection and function	U.S.A.	CA	U.K	GR	FR	Initial value	Key operator
111	5-8	Print lead edge adjustment (Rear edge position) back surface	1 - 0 + Binary input Setting range 0 - ± 112 lines 16 lines interval	0 0 1 1	0 0 1 1	0 0 1 1	0 0 1 1	0 0 1 1	+ 48lines	
112	1-8	Print magnification ratio adjustment (Main scanning)	1 - 0 + Binary input Setting range 0 - ± 12.7% 0.1% interval	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0%	
113	1-8	Print magnification ratio adjustment (Sub scanning)	1 - 0 + Binary input Setting range 0 - ± 12.7% 0.1% interval"	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0%	
114	1-4	Scan effective image area (OC) Sub scanning Lead edge image loss	1 - 0 + Binary input Setting range 0 - ± 56 lines 8 lines interval	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0line	
	5-8	Scan effective image area (OC) Sub scanning Rear edge image loss	1 - 0 + Binary input Setting range 0 - ± 56 lines 8 lines interval	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0line	
115	1-4	Scan effective image area (OC) Main scanning left edge image loss	1 - 0 + Binary input Setting range 0 - ± 56 dots 8 dots interval	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0dot	
	5-8	Scan effective image area (OC) Main scanning right edge image loss	1 - 0 + Binary input Setting range 0 - ± 56 dots 8 dots interval	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0dot	
116	1-8	Scanning magnification ratio adjustment OC (Main scanning)	1 - 0 + Binary input Setting range 0 - ± 12.7% 0.1% interval	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0%	

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SW No.	Bit No.	Item	Switch serection and function	U.S.A.	CA	U.K	GR	FR	Initial value	Key operator
117	1-8	Scanning magnification ratio adjustment OC (Sub scanning)	1 - 0 + Binary input Setting range 0 - ± 12.7% 0.1% interval	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0%	
118	1-4	Scan effective image area (SPF), Sub scanning, Lead edge image loss	1 - 0 + Binary input Setting range 0 - ± 56 lines 8 lines interval	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0line	
	5-8	Scan effective image area (SPF), Sub scanning, Rear edge image loss	Since the rear edge of the SPF cannot be specified with the coordinates, it is subtracted after scanning. Since the setting value is not a coordinate, its unit differs from those of the other setting values. The value cannot be increased more than the coordinates specified when scanning. 1 - 0 + Binary input Setting range 0 - ± 14 lines 2 lines interval	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0line	
119	1-4	Scan effective image area (SPF), Main scanning, Left edge image loss	1 - 0 + Binary input Setting range 0 - ± 56dots 8dots interval	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0dot	
	5-8	Scan effective image area (SPF), Main scanning, Right edge image loss	1 - 0 + Binary input Setting range 0 - ± 56dots 56dots interval	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0dot	
120	1-4	Scan effective image area (SPF) back surface, Sub scanning, Lead edge image loss	1 - 0 + Binary input Setting range 0 - ± 56lines 8 lines interval	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0line	
	5-8	Scan effective image area (SPF) back surface, Sub scanning, Rear edge image loss	Since the rear edge of the SPF cannot be specified with the coordinates, it is subtracted after scanning. Since the setting value is not a coordinate, its unit differs from those of the other setting values. The value cannot be increased more than the coordinates specified when scanning. 1 - 0 + Binary input Setting range 0 - ± 14 lines 2 lines interval	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0line	
121	1-4	Scan effective image area (SPF) back surface, Main scanning, Left image loss	1 - 0 + Binary input Setting range 0 - ± 56dots 8dots interval	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0dot	

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SW No.	Bit No.	Item	Switch serection and function	U.S.A.	CA	U.K	GR	FR	Initial value	Key operator
121	5-8	Scan effective image area (SPF) back surface, Main scanning, Right edge image loss	1 - 0 + Binary input Setting range 0 - ± 56dots 56dots interval	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0dot	
122	1-8	Scanning magnification ratio adjustment SPF (Main scanning)	1 - 0 + Binary input Setting range 0 - ± 12.7% 0.1% interval	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0%	
123	1-8	Scanning magnification ratio adjustment SPF (Sub scanning)	1 - 0 + Binary input Setting range 0 - ± 12.7% 0.1% interval	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0%	
124	1-8	Print magnification ratio adjustment, back surface (Main scanning)	1 - 0 + Binary input Setting range 0 - ± 12.7% 0.1% interval	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0%	
125	1-8	Print magnification ratio adjustment, back surface (Sub scanning)	1 - 0 + Binary input Setting range 0 - ± 12.7% 0.1% interval	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0%	
126	1-8	Scanning magnification ratio adjustment APF, back surface (Main scanning)	1 - 0 + Binary input Setting range 0 - ± 12.7% 0.1% interval	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0%	
127	1-8	Scanning magnification ratio adjustment APF, back surface (Sub scanning)	1 - 0 + Binary input Setting range 0 - ± 12.7% 0.1% interval	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0%	

U.S.A.: U.S.A. CA: Canada U.K: U.Kingdom GR: German FR: France

SW No.	Bit No.	Item	Switch serection and function	U.S.A.	CA	U.K	GR	FR	Initial value	Key operator
128	1,2	Ring sound quality	Calling sound ringing frequency setting There are following four patterns: Bit No. 1 2 Pattern 1 (1000Hz/926Hz) 0 0 Pattern 2 (1035Hz/956Hz) 0 1 Pattern 3 (1048Hz/967Hz) 1 0 Pattern 4 (1119Hz/1027Hz) 1 1	0	0	0	0	0	Pattern 2	
				1	1	1	1	1		
	3-8	Not used		0	0	0	0	0		
				1	1	1	1	1		
				1	1	1	1	1		
				0	0	0	0	0		
				1	1	1	1	1		
				0	0	0	0	0		
129	1-8	Not used		0	0	0	0	0		
				0	0	0	0	0		
				1	1	1	1	1		
				0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
				1	1	1	1	1		
				0	0	0	0	0		
130	1-8	Not used		0	0	0	0	0		
				0	0	0	0	0		
				1	1	1	1	1		
				0	0	0	0	0		
				1	1	1	1	1		
				0	0	0	0	0		
				1	1	1	1	1		
				0	0	0	0	0		
131	1-8	Not used		0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
				1	1	1	1	1		
				0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
132	1-8	Not used		0	0	0	0	0		
				0	0	0	0	0		
				1	1	1	1	1		
				0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
133	1	Test mode judgment flag	1 Test mode 0 Normal mode	0	0	0	0	0	Normal mode	
	2-8	Not used		0	0	0	0	0		
				1	1	1	1	1		
				1	1	1	1	1		
				0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		

U.S.A.: U.S.A. CA: Canada U.K: U.Kingdom GR: German FR: France

SW No.	Bit No.	Item	Switch serection and function	U.S.A.	CA	U.K	GR	FR	Initial value	Key operator
134	1	Summer time	Used to set whether the summer time is automatically set or not. 1 Enable / 0 Disable	0	0	1	1	1	Follow the destination.	YES
	2	Receive rejection record	Used to set whether the rejected record is remained on the communication report or not when receive is rejected by the receive rejection function. 1 Not recorded / 0 Recorded	0	0	0	0	0	Recorded	
	3,4	Time until resetting when G3 DIS cannot be received in V.8 phase.	When send is made via a satellite, if the DIS signal is not acknowledged, the receive level is adjusted again and receive is tried again. This setting is used to set the time until resetting. Bit No. 3 4: 8s 0 0 / 10s 0 1 / 12s 1 0 / 14s 1 1	0 1	0 1	0 1	0 1	0 1	10s	
	5	Report table output when in receive rejection	Used to set whether the communication report is outputted or not when receive is rejected with the receive rejection function. ”Output” is enabled only when SW134-2 is set to “0”. 1 Output / 0 Not output	0	0	0	0	0	Not output	
	6	Sheet count method in case of an error	Used to set whether an error page is included in the send quantity count in FAX send or not. The default is: an error page is not counted. 1 Send error pages are included. / 0 Send error pages are not included.	0	0	0	0	0	Send error pages are not included.	
	7	Not used		0	0	0	0	0		
	8	YES/NO of quick memory send setting	Used to set whether the quick memory send ON/OFF is displayed on the menu or not. 1 Setting is displayed. / 0 Setting is not displayed.	1	1	1	1	1	Setting is displayed.	
135	1-4	Scanner resource securing time out in direct send	Used to set the time out of the scanner warm-up time in direct send. Binary input 20 - 50 sec	0 0 1 1	0 0 1 1	0 0 1 1	0 0 1 1	0 0 1 1	26sec	
	5	Energy-saving reset with an external TEL	Used to set whether the machine is reset from the energy-saving mode or not when the hand set of the external telephone is lifted in the energy-saving mode. The default is: Not reset in Japan only. 1 Reset (Complete reset) / 0 Not reset (Only 24V is reset.)	1	1	1	1	1	Reset (Complete reset)	
	6	Not used		0	0	0	0	0		
	7	External auditor check	Used to set whether Enable/Disable of the FAX department management when an external auditor is used. The default is Disable. 1 Not check / 0 Check	0	0	0	0	0	Check	
	8	Not used		0	0	0	0	0		
136	1	RTC error adjustment	Used to correct advancement of the clock. The default is No Correction. 1 Error adjustment / 0 No error adjustment	0	0	0	0	0	No error adjustment	

U.S.A.: U.S.A. CA: Canada U.K: U.Kingdom GR: German FR: France

SW No.	Bit No.	Item	Switch serection and function	U.S.A.	CA	U.K	GR	FR	Initial value	Key operator
136	2-8	Not used		0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
137 to 150		Not used		0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		
				0	0	0	0	0		

U.S.A.: U.S.A. CA: Canada U.K: U.Kingdom GR: German FR: France

[7] KEY OPERATOR PROGRAM

KEY OPERATOR PROGRAM			Set value(Default)	Remark
LIST PRINT/SET	LIST PRINT	KEY OPE. LIST JUNK FAX # LIST ACC. USAGE LIST		
	LIST SETTING (PRINT SELECTION)	TRANSMISSION	ALWAYS PRINTS/ ERROR ONLY*/ NEVER PRINTS	
		BROADCAST	ALWAYS PRINTS*/ ERROR ONLY/ NEVER PRINTS	
		ORIGINAL IMAGE PRINT SETTING	ALWAYS PRINTS/ ERROR ONLY*/ NEVER PRINTS	
		RECEPTION	ALWAYS PRINTS/ ERROR ONLY/ NEVER PRINTS*	
		CONF. RECEPTION	ALWAYS PRINTS*/ NEVER PRINTS	
	LIST SETTING (AUTO LISTING)	AUTO PRINT REPT AT LIMIT (50)	Print/Not print*	
		PRINT DAILY AT DESIGNATED TIME	NOT SETTING	
INITIAL SETTING	DIAL MODE		Tone*/20PPS/10 PPS	
	PAUSE TIME		1,2* - 15sec	
	OWN PASSCODE SET			
	SPEAKER VOLUME	On-hook volume	High/Middle*/Low	
		Ringer volume Line monitor volume TX/RX end volume Scan end volume Tone volume	High/Middle*/Low/OFF	
	TX/RX END SOUND	SEND	PATTERN 1/2*/3	
		RECEIVE	PATTERN 1/2*/3	
	END SOUND LENGTH		2.0/2.5/3.0*/3.5/4.0sec	
	EXTENSION TEL		ON*/OFF	
	DISTINCTIVE RING		OFF*/STANDARD(For SCA/SCNZ/SRH) OFF*/STANDARD, PATTERN1/2/3/4/5(For SEC/SECL)	
	PBX SETTING MODE		ON/OFF*	For SEEG/ SEF only
	REMOTE RECEPTION*1		0 - 5* - 9	
	ACCOUNT CONTROL		Enabled/Disabled*	
	ACCOUNT # SET	Program, Delete, Change		
	DATE & TIME SET			
	DAYLIGHT SAVING TIME SETTING		ON*/OFF(For SUK/SEEG/SEF/SCA/SCNZ) ON/OFF*(For SEC/SECL)	
	DISABLE FAX PRINT HOLD		ON*/OFF	

KEY OPERATOR PROGRAM			Set value(Default)	Remark
SENDING FUNCTION	RES. CON. SET	Resolution	STANDARD*/FINE/SUPER FINE/ ULTRA FINE/FINE (HALF TONE) / S-FINE (HALF TONE) / U-FINE (HALF TONE)	
		Exposure	Auto*	
	AUTO REDUCE TX		Enabled*/Disabled	
	ROTATE TX		Enabled*/Disabled	
	PAGE COUNTER SET		Enabled*/Disabled	
	SEND MODE		MEMORY TX*/DIRECT TX	
	QUICK ON LINE TX		Enabled*/Disabled	
	PRINT STATION # IN RCVD DATA		Out*/IN DATA	
	ACC. NAME PRINT		Enabled/Disabled*	
	RECALL SETTING (BUSY)*2		2 recall attempts at intervals of 3 minutes.	
	RECALL SET (ERR)*2		1 recall attempt at intervals of 1 minute.	For SEC/ SECL only
	RING TIMEOUT IN AUTO TX		30/45*/60sec 30/45*(For SRH/SOCC)	
	AUTO COVER SHEET		Enabled/Disabled*	
RCV. FUNCTION	FAX RECEPTION LIGHT		PATTERN1*/2/OFF	
	#OF RINGS AT. RX		0 - 2* - 9 0 - 2* - 15(For /SRS/SRCC/SBI)	
	#OF RINGS MAN. RX		0*-9	For SEF only
	TRAY SELECTION	TRAY1,TRAY2, TRAY3	Enabled*/Disabled	
	RECEIVED DATA PRINT CONDITION		REDUCTION*/DIVISION	
	AUTO RCV REDUCE TO REGULAR SIZE		Enabled*/Disabled	
	DUPLEX RECEPTION*3		ON/OFF*	
	A3 RX REDUCE		ON/OFF*	
	FW. RX DATA		Enabled/Disabled*	
	RECEIVED DATA FW. STATION SET			
	INDEX PRINT		Enabled/Disabled*	
	EARLIER OUTPUT		Enabled*/Disabled	
	ANTI JUNK FAX		Enabled/Disabled*	
	ENTER JUNK FAX #			
POLLING SECURITY	POLLING SECURITY		Enabled*/Disabled	
	POLLING PASSCODE # MODE			

*1)Only when an extension phone is connected.

*2)If you do not wish to have recalling take place, set the number of attempts to “0”.

*3)Only on models with the two-sided printing function.

[8] TROUBLE CODE LIST

1. FAX-related service call error

MAIN	SUB	Conditions	
F6	00	FAX board communication trouble	When sending cannot be made due to buffer over.
	10	FAX hard error	When one of the following items is detected. Page Memory Error/ FAX Board Error/ ROM Error/ RAM Error/ Flash ROM Error.
	80	FAX break error	When an error is detected in the IO ASIC serial controller.
	81	FAX parity error	
	82	FAX overrun error	
	84	FAX framing error	
	88	FAX interface error	There is no response of data from the machine for 30 sec or more.
	99	FAX language error	When the TEL/LIU PWB for EX Japan is operated under the setting for Japan. When the TEL/LIU PWB for Japan is operated under the setting for EX Japan.
U1	03	FAX battery error	When the battery voltage on the FAX PWB falls.

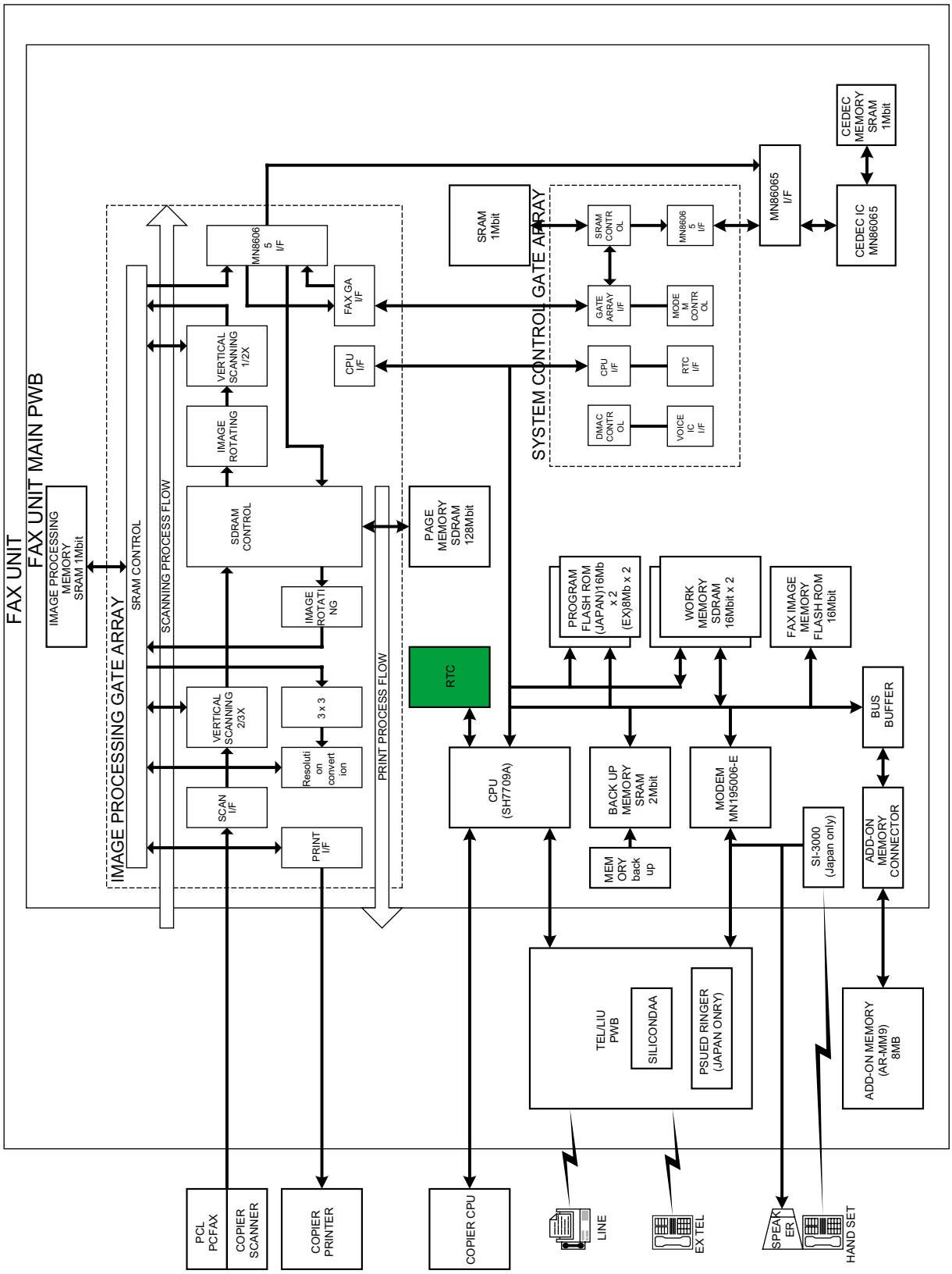
2. Communication report codes

MAIN	SUB	Conditions	
F6	00	FAX board communication trouble	When sending cannot be made due to buffer over.
	10	FAX hard error	When either of Bit3 - Bit7 is set.
	80	FAX break error	When an error is detected in the IO ASIC serial controller.
	81	FAX parity error	
	82	FAX overrun error	
	84	FAX framing error	
	88	FAX interface error. FAX command time out error.	When SSH Bit2 (Interface Error) is set. When there is no response of the command which has response for 30 sec or more. R_REL_REQ->R_REL_REQ_ACK R_ENABLE->R_ENABLE_ACK R_RSV_CAN->R_RSV_CAN_ACK STARTING_REQ->STARTING_ACK DOWNLD_REQ->DOWNLD_ACK F_CINFO->F_CINFO INF_AUDIT_CODE->INF_AUDIT_CODE CHECK_AUDIT_CODE->CHECK_AUDIT_CODE HAND_REC_REQ->HAND_REC_ACK GET_TIME->SEND_TIME S_SIM_REQ->S_SIM_ACK CFG_START->CFG_START_ACK F_P_COMPLETE->F_P_COMPLETE_ACK F_SEJCT->F_SEJCT_ACK LANGU_INFO->LANGU_INFO WEBPAGE->WEBPAGE
	99	FAX language error	In the response LANGU_INFO for SETUP, the parameter is sent back as 0xfe.
U1	03	FAX battery error	When SSH Bit0 (Battery Error) is set.

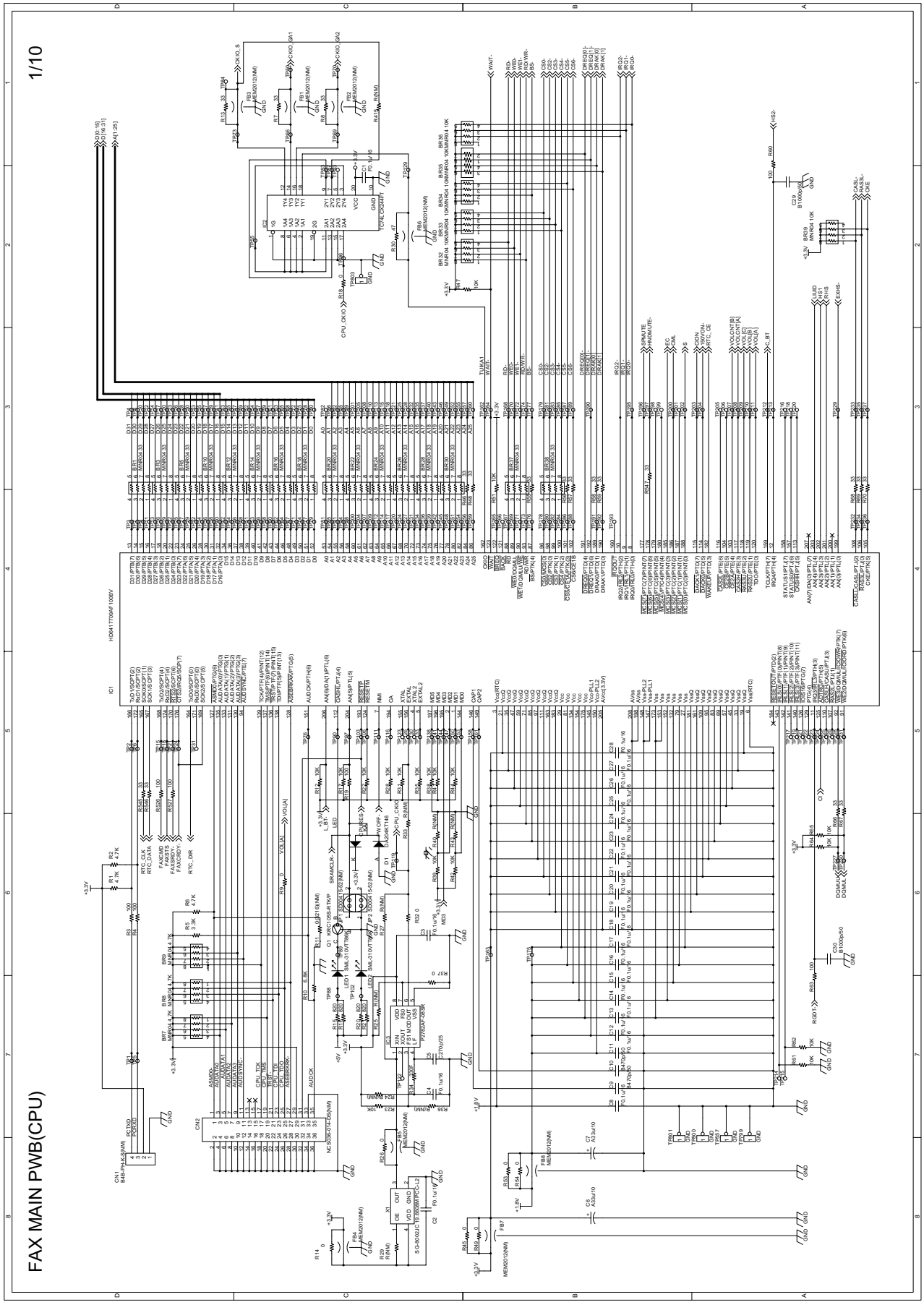
[9] ELECTRICAL SECTION

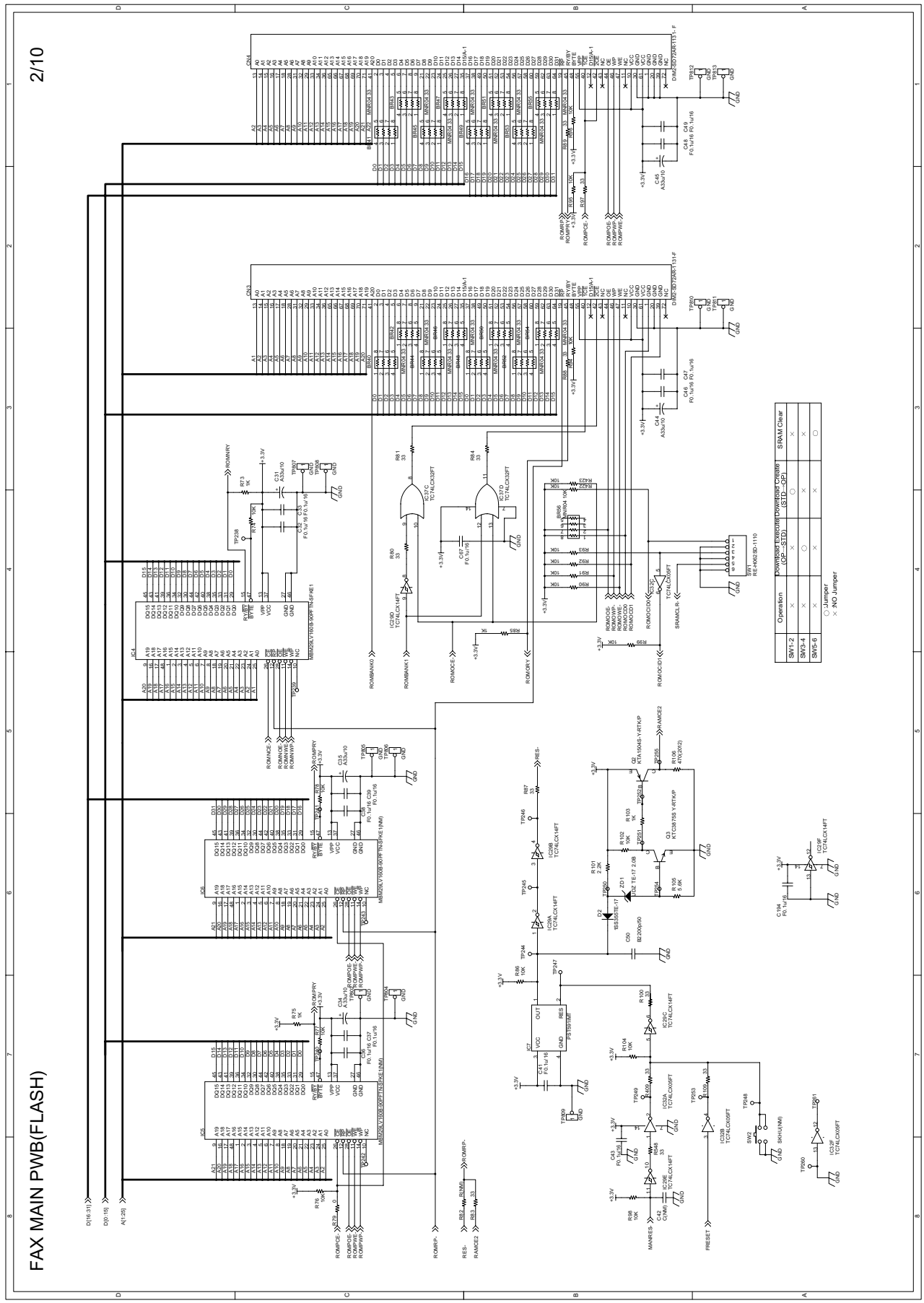
1. FAX Block diagram

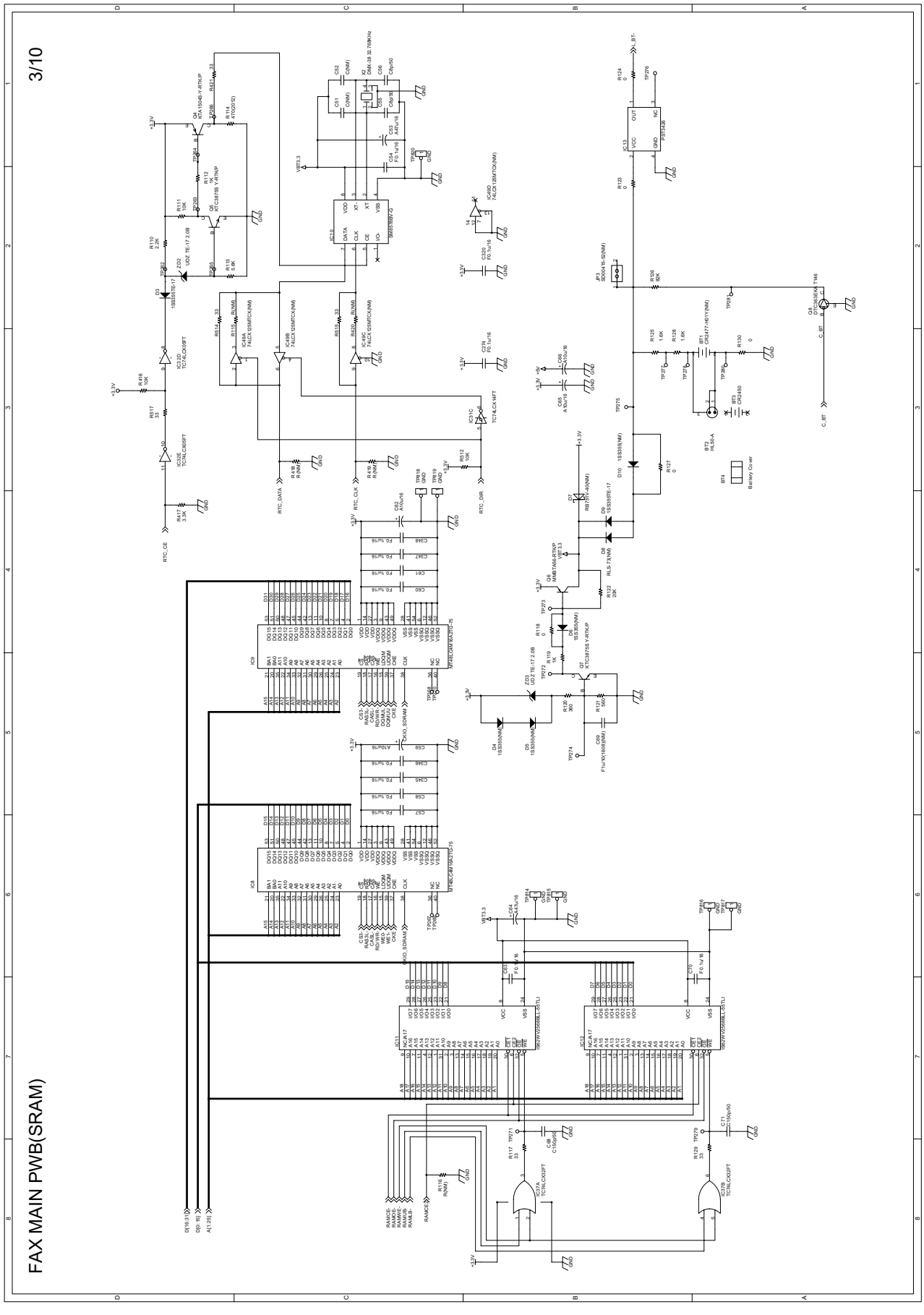
FAX BLOCK DAIGRAM

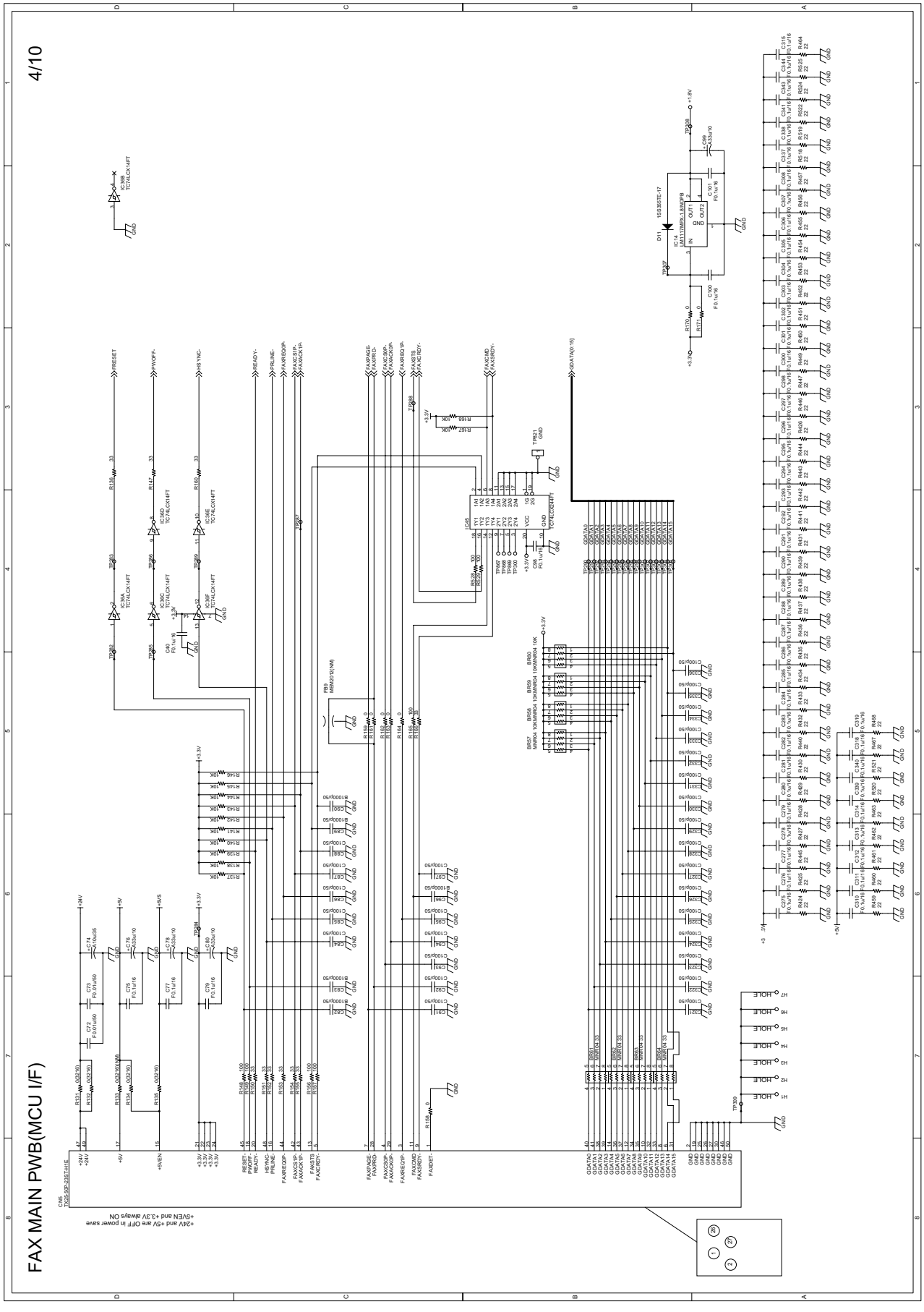


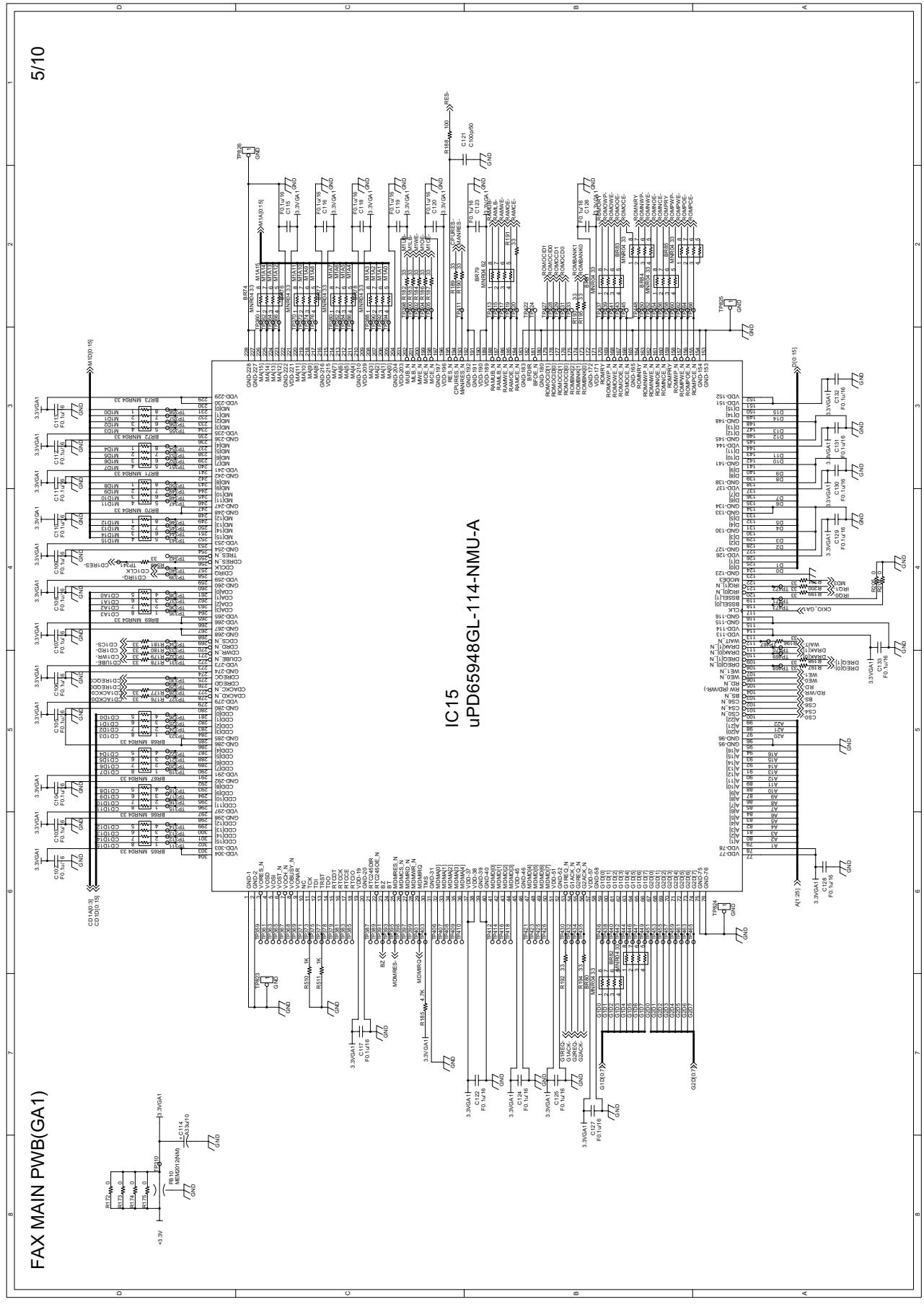
2. FAX Circuit diagram

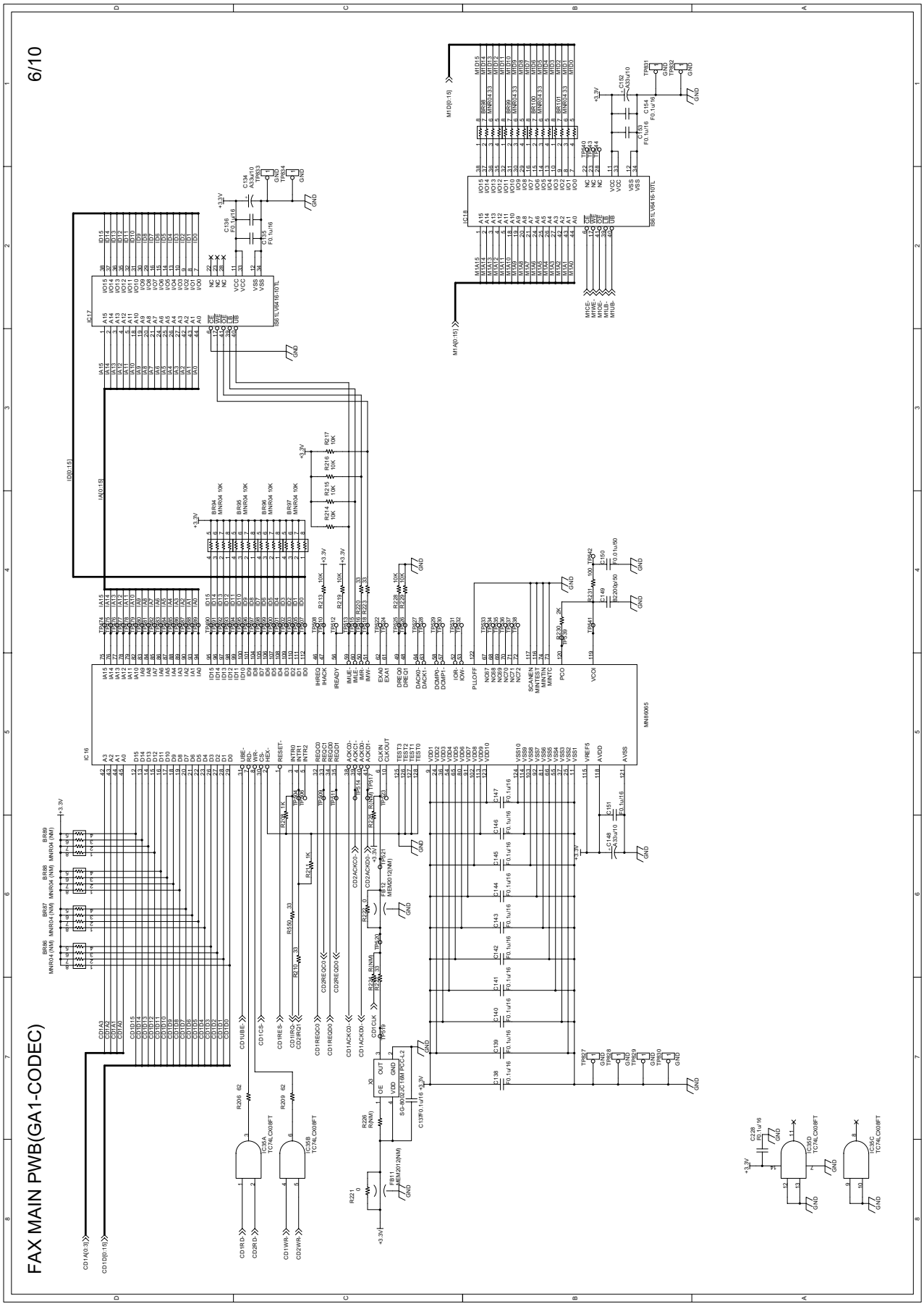


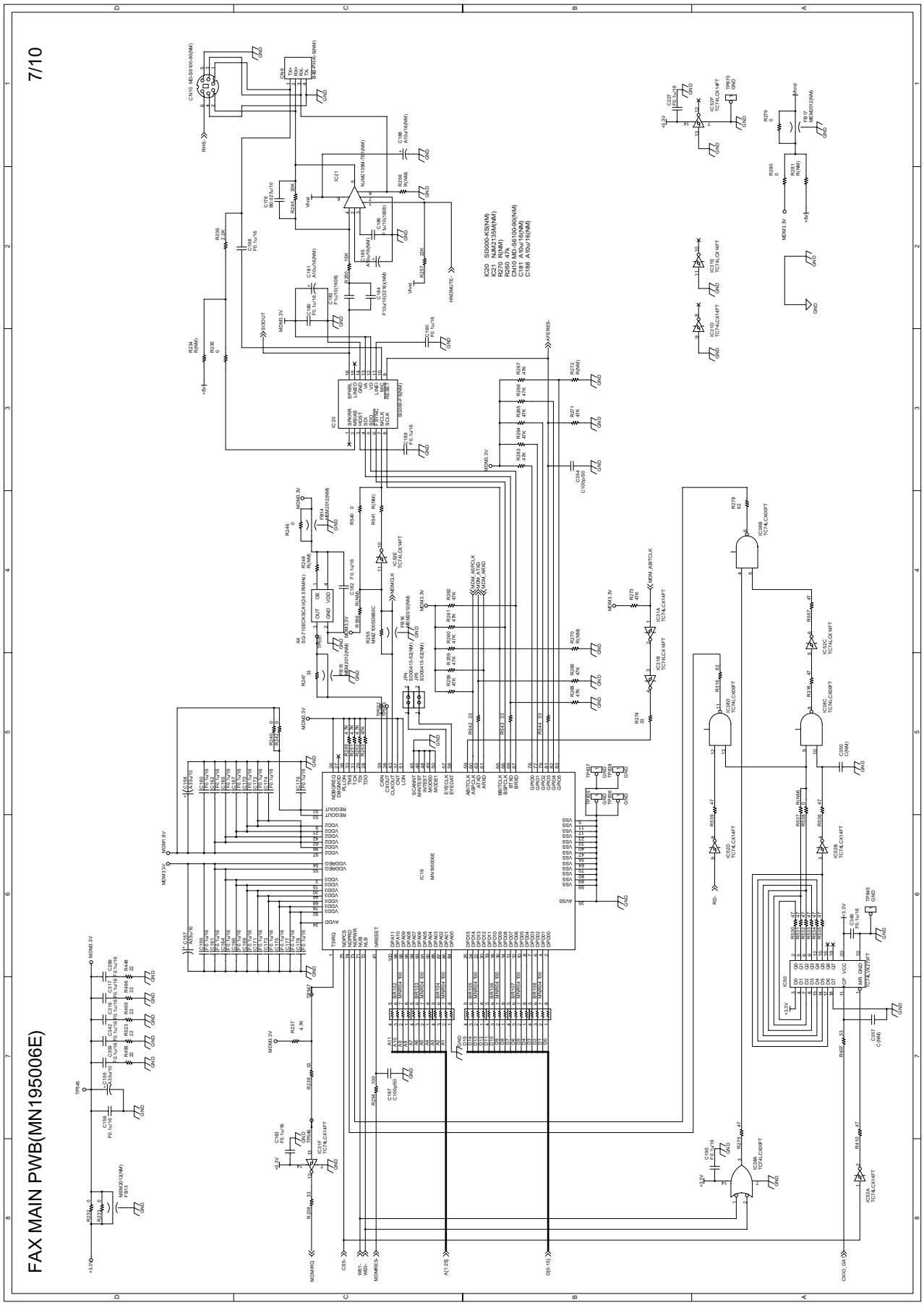

FAX MAIN PWB(FLASH)
2/10
Operation
Downlaod Execute (OP→STD)
Downlaod Cancel (STD→OP)
SRAM Clear
SW1-2
SW3-4
SW5-6
× NO Jumper

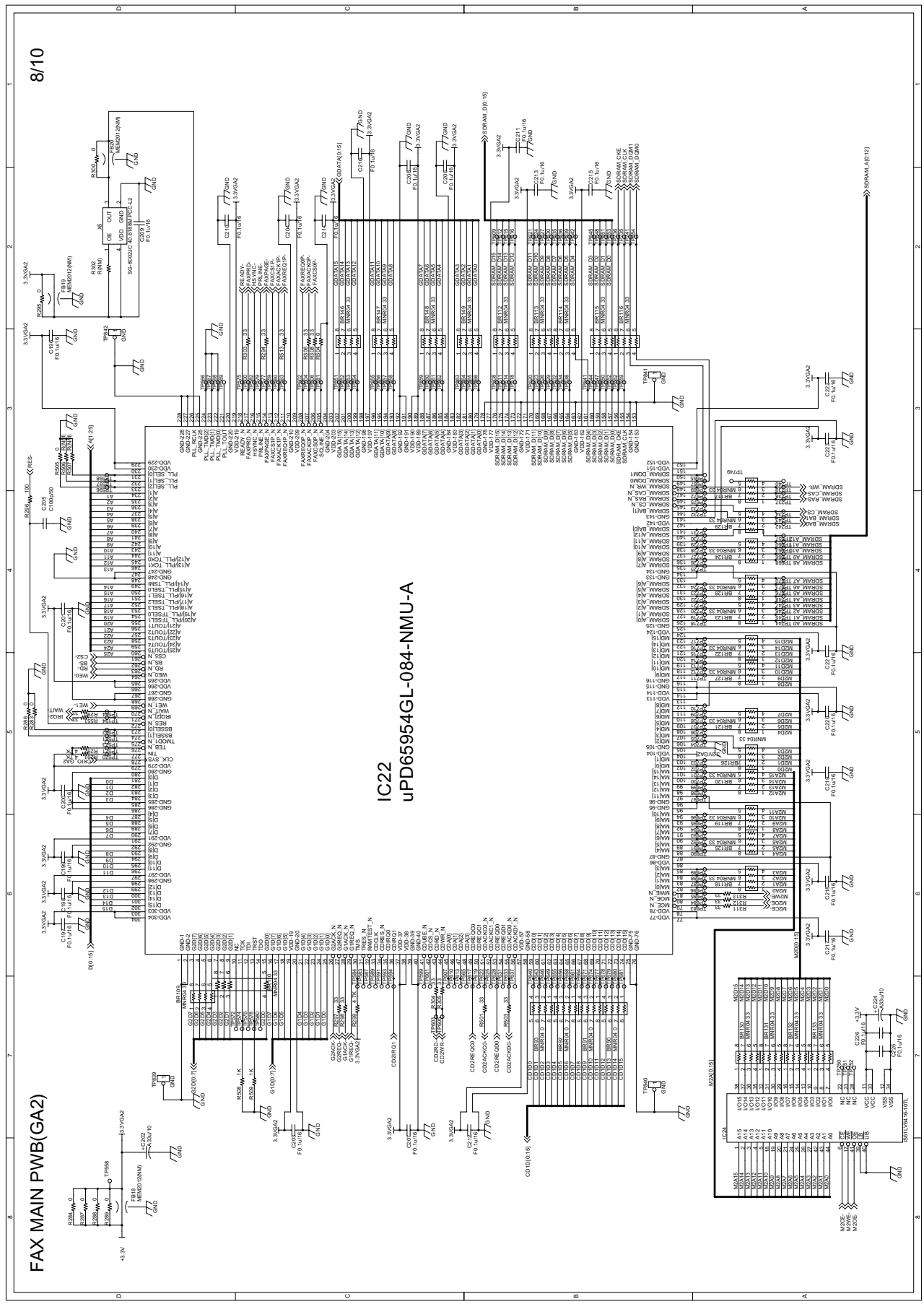

FAX MAIN PWB(SRAM)
3/10


FAX MAIN PWB(MCU I/F)
4/10
+24V and +5V are OFF in power save
+5VEN and +3.3V always ON

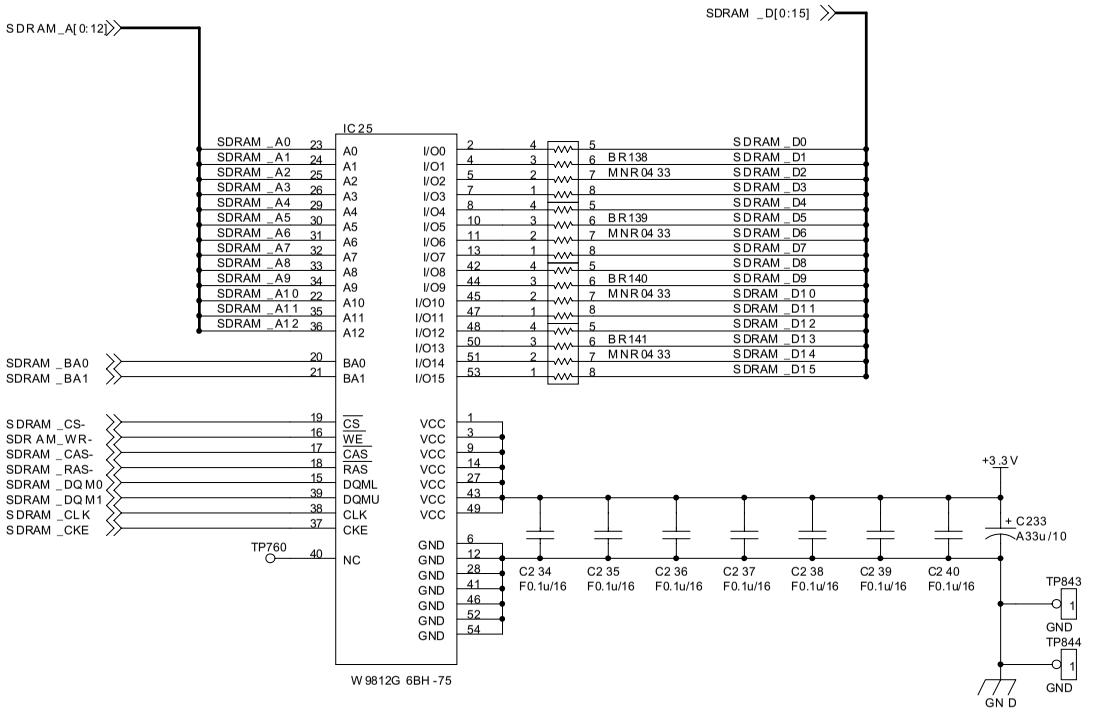

FAX MAIN PWB(GA1)
5/10
IC15
uPD65948GL-114-NMU-A

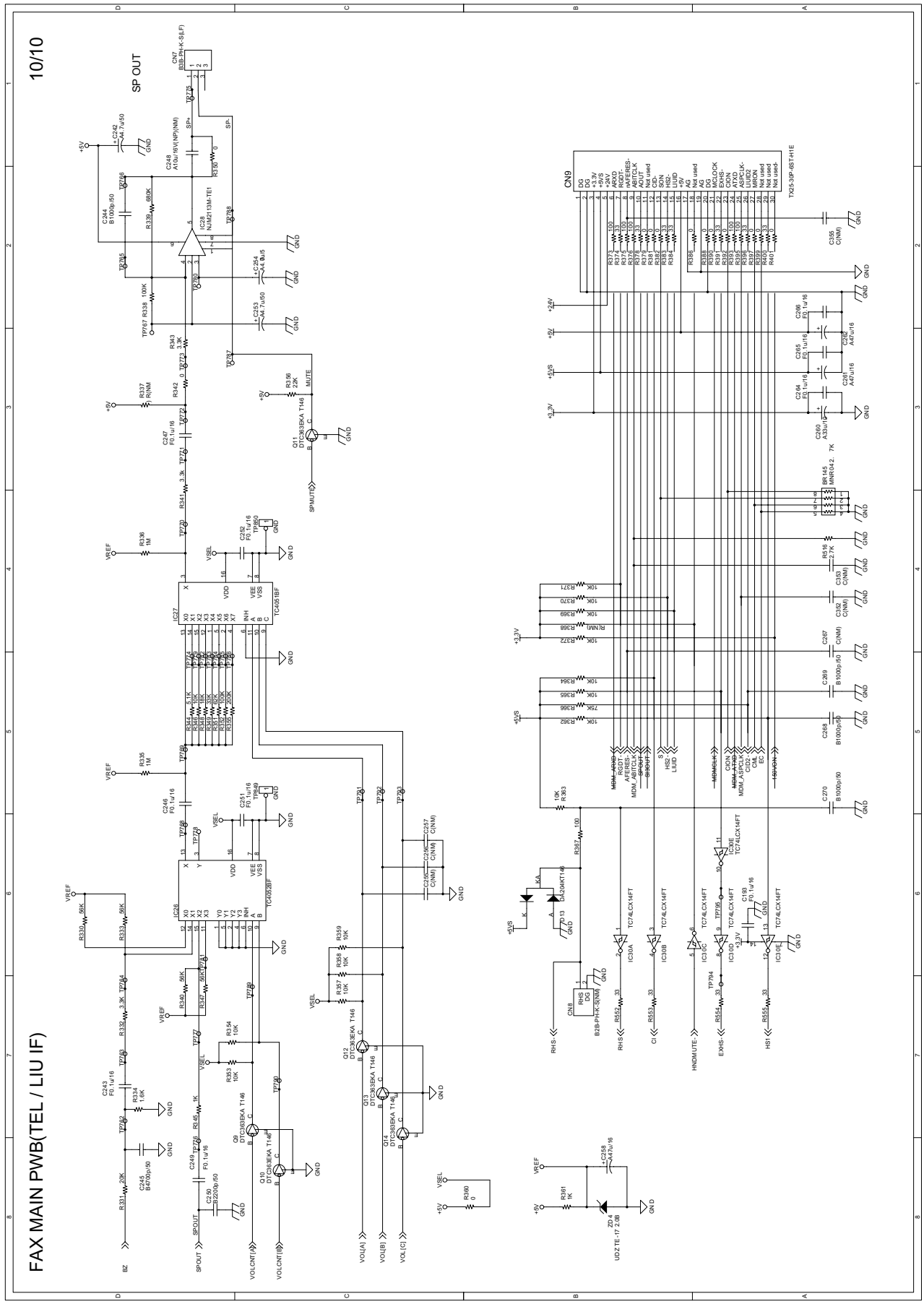

FAX MAIN PWB(GA1-CODEC)
6/10

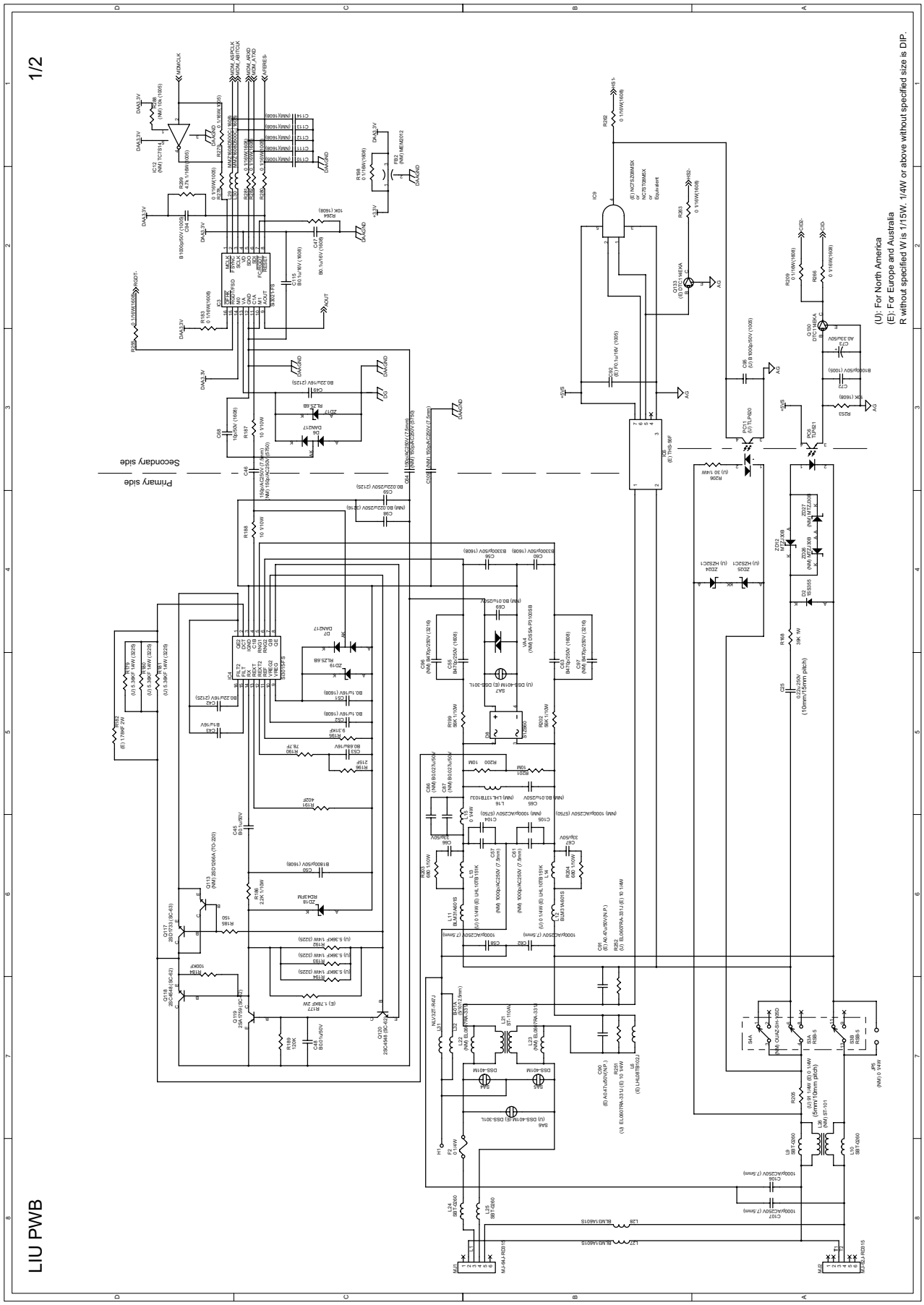

FAX MAIN PWB(MN195006E)
7/10

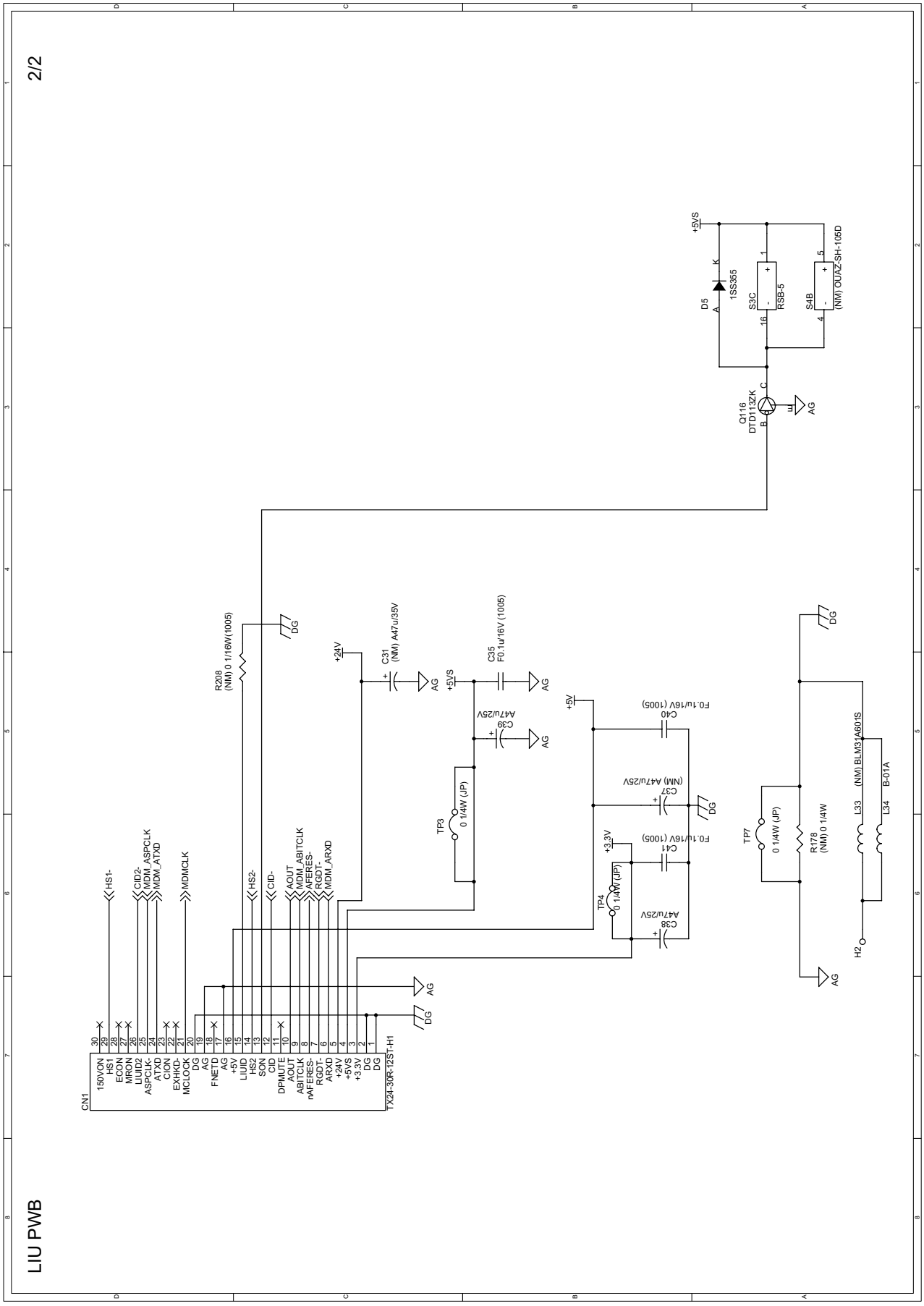

FAX MAIN PWB(GA2)
8/10
IC22
uPD65954GL-084-NMU-A

FAX MAIN PWB(GA2-CPDEC)




FAX MAIN PWB(TEL / LIU IF)
10/10
SP OUT
CN9
IC28
NJU4213M-TE1
IC26
TC4052BF
IC27
TC4051BF
IC30
TC74LCX14FT
Q9
Q10
Q11
Q12
Q13
Q14
DTC363EKA T146
CN8
B2B-PHK-K(NM)
CN7
BM2B(3.0)-K-S(LF)
TX25-30P-4ST-H1E
BR145
MMR042.7K
D13
DA204KT146
ZD4
UDZTE-17 2.0B
VREF
VSEL
SPOUT
VOLCONT(A)
VOLCONT(B)
VOL(A)
VOL(B)
VOL(C)
BZ
SPMUTE
MUTE
RHS
CI
HNDMUTE
EXHS
HS
LIUID
MDM_ARXD
RGDT
RGCK
MDM_ABITCLK
SPOUT
CKON
MDM_ASPCLK
CKM
EC
+5V
+24V
+3.3V
GND

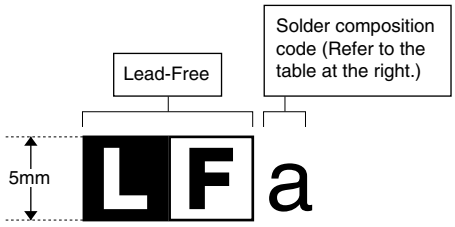

LIU PWB
1/2
Primary side
Secondary side
(U): For North America
(E): For Europe and Australia
R without specified W is 1/15W, 1/4W or above without specified size is DIP.


LIU PWB
2/2
CN1
TX24-30R-12ST-H1
150VON
HS1
ECON
MRON
LIUID2
ASPCLK
ATXD
CION
EXHKD
MCLOCK
DG
AG
FNETD
AG
+5V
LIUID
HS2
SON
CID
DPMUTE
AOUT
ABITCLK
nAFRES
RGDT
ARXD
+24V
+5VS
+3.3V
DG
DG
HS1-
CID2
MDM_ASPCLK
MDM_ATXD
MDMCLK
HS2-
CID-
AOUT
MDM_ABITCLK
nAFRES-
RGDT-
MDM_ARXD
AG
DG
R208
(NM) 0 1/16W(1005)
DG
+24V
C31
(NM) A47u/35V
AG
+5VS
C35
F0.1u/16V (1005)
AG
C39
A47u/25V
AG
TP3
0 1/4W (JP)
+5V
C40
F0.1u/16V (1005)
C37
(NM) A47u/25V
DG
+3.3V
C41
F0.1u/16V (1005)
TP4
0 1/4W (JP)
C38
A47u/25V
+5VS
D5
1SS355
A
K
S3C
RSB-5
16
1
S4B
(NM) OUAZ-SH-105D
4
5
Q116
DTD113ZK
B
C
E
AG
TP7
0 1/4W (JP)
R178
(NM) 0 1/4W
DG
L33
(NM) BLM31A60IS
L34
B-01A
H2
AG

LEAD-FREE SOLDER

The PWB's of this model employs lead-free solder. The "LF" marks indicated on the PWB's and the Service Manual mean "Lead-Free" solder.
The alphabet following the LF mark shows the kind of lead-free solder.

Example:



<Solder composition code of lead-free solder>

Solder composition	Solder composition code
Sn-Ag-Cu	a
Sn-Ag-Bi Sn-Ag-Bi-Cu	b
Sn-Zn-Bi	z
Sn-In-Ag-Bi	i
Sn-Cu-Ni	n
Sn-Ag-Sb	s
Bi-Sn-Ag-P Bi-Sn-Ag	p

(1) NOTE FOR THE USE OF LEAD-FREE SOLDER THREAD

When repairing a lead-free solder PWB, use lead-free solder thread.
Never use conventional lead solder thread, which may cause a breakdown or an accident.
Since the melting point of lead-free solder thread is about 40°C higher than that of conventional lead solder thread, the use of the exclusive-use soldering iron is recommendable.

(2) NOTE FOR SOLDERING WORK

Since the melting point of lead-free solder is about 220°C, which is about 40°C higher than that of conventional lead solder, and its soldering capacity is inferior to conventional one, it is apt to keep the soldering iron in contact with the PWB for longer time. This may cause land separation or may exceed the heat-resistive temperature of components. Use enough care to separate the soldering iron from the PWB when completion of soldering is confirmed.
Since lead-free solder includes a greater quantity of tin, the iron tip may corrode easily. Turn ON/OFF the soldering iron power frequently.
If different-kind solder remains on the soldering iron tip, it is melted together with lead-free solder. To avoid this, clean the soldering iron tip after completion of soldering work.
If the soldering iron tip is discolored black during soldering work, clean and file the tip with steel wool or a fine filer.

SHARP

PARTS GUIDE

CODE:00ZARFX11/P1E

DIGITAL COPIER
OPTION
FAX EXPANSION KIT

MODEL AR-FX11

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SHARP CORPORATION

This document has been published to be used for after sales service only.
The contents are subject to change without ontice.

DEFINITION

The definition of each Rank is as follows and also noted in the list

Rank A : Maintenance parts, and consumable parts which are not included in but closely related to maintenance parts
Rank B : Performance/function parts (sensors, clutches, and other electrical parts), consumable parts
Rank E : Unit parts including PWB
Rank D : Preparation parts (External fitting, packing, parts packed together)
Rank C : Parts other than the above (excluding sub components of PWB)

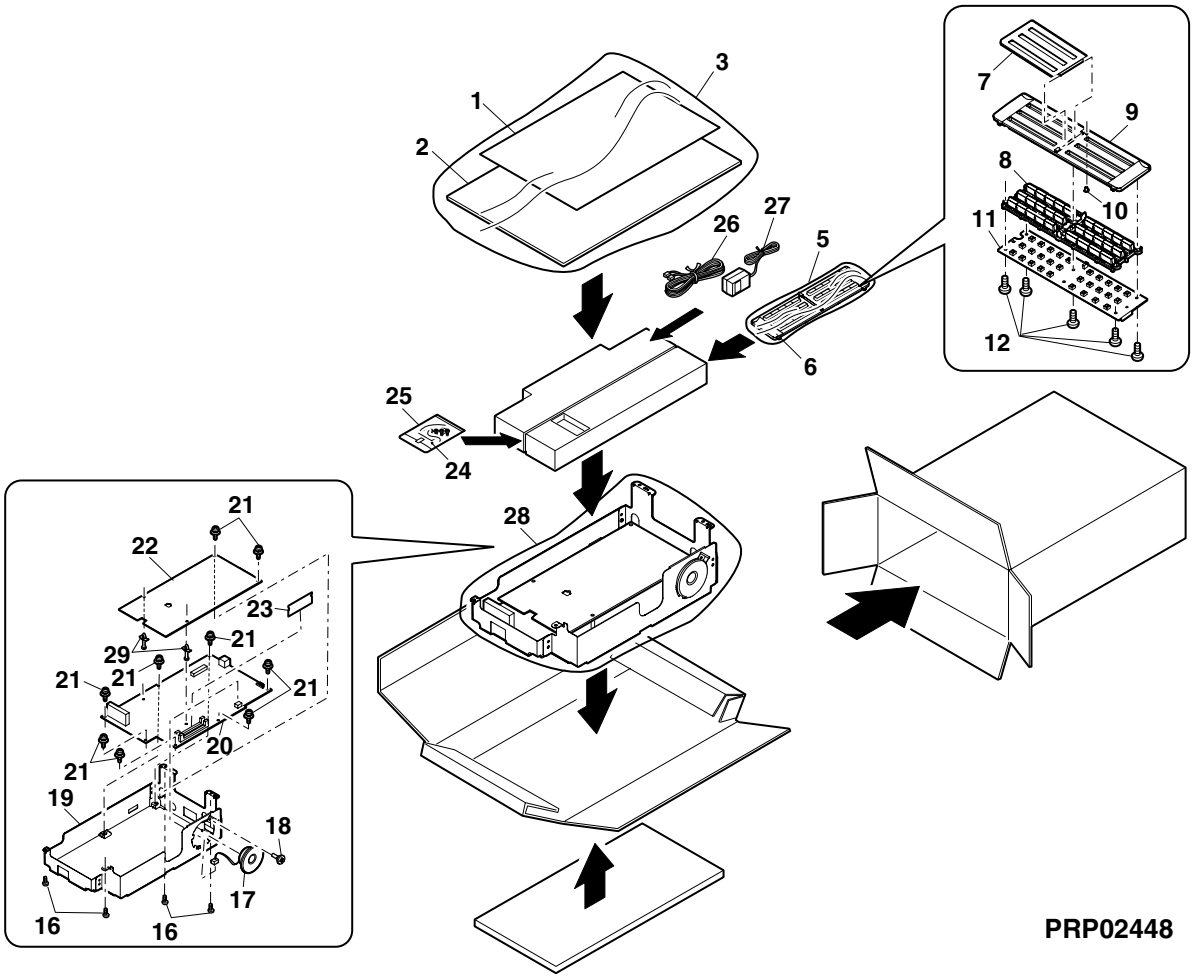
Because parts marked with "⚠" is indispensable for the machine safety maintenance and operation, it must be replaced with the parts specific to the product specification.

○ Other than this Parts Guide, please refer to documents Service Manual (including Circuit Diagram) of this model.
○ Please use the 13 digit code described in the right hand corner of front cover of the document, when you place an order.
○ For U.S. only-Use order codes provided in advertising literature. Do not order from parts department.
∗ These parts are supplied by SMF.

1 Packing material & Accessories

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION	
1	TCADZ0364QSZZ	AN	N	D	FAX inst. manual	[U.S.A,Canada]
	TCADZ0404TSZZ	∗	N	D	FAX inst. manual	[Europe]
2	TiNSE1363QSZZ	BN	N	D	Operation manual	(FAX)[U.S.A,Canada]
	TiNSE1400TSZZ	∗	N	D	Operation manual	(FAX)[U.kingdom,Denmark,Finland,Norway,Holland]
	TiNSX1401TSZZ	∗	N	D	Operation manual	(FAX)[Switzerland,Germany]
	TiNSF1402TSZZ	∗	N	D	Operation manual	(FAX)[France]
	TiNSi1403TSZZ	∗	N	D	Operation manual	(FAX)[Italy]
	TiNSS1404TSZZ	∗	N	D	Operation manual	(FAX)[Spain]
3	SSAKA2345QCZZ	AC		D	Vinyl bag(260×360mm)	[Except Australia,New Zealand]
5	SPAK-547ECCZZ	AB		D	Vinyl bag(280mm)	
6	DUNT-0533QS11	BB	N	E	FAX key unit	
7	CPLTP0378QS02	AR	N	C	FAX sub panel	
8	JBTN-0089QSZZ	AP	N	C	Shortening key	
9	CPNLH0040QS02	AT	N	C	FAX key panel	
10	MLEVP0109QSZZ	AN	N	C	FAX panel lever	
11	CPWBF0178QS31	AY	N	E	FAX key PWB	
12	XEBSD30P08000	AA		C	Screw(3×8)	
16	XHBSE30P08000	AA		C	Screw(3×8)	
17	RSP-Z0001QSPZ	AG	N	B	Speaker	
18	LX-HZ0002QSZZ	AC		C	Screw	
19	LPLTM0383QSZZ	AY	N	C	FAX fixing plate	
20	CPWBX0171QS32	CQ	N	E	FAX main PWB unit	[U.S.A,Canada]
	CPWBX0171QS33	CQ	N	E	FAX main PWB unit	[Australia,New Zealand]
	CPWBX0171QS34	CQ	N	E	FAX main PWB unit	[Other Countries]
21	XBPS730P08KS0	AB	N	C	Screw(3×8KS)	
22	CPWBN0173QS31	BQ	N	E	TEL/LIU PWB unit	[U.S.A,Canada]
	CPWBN0173QS32	BS	N	E	TEL/LIU PWB unit	[Except U.S.A,Canada]
23	VHi29L32007QS	BC	N	B	FAX FLASH ROM	[U.S.A,Canada]
	VHi29L32008QS	BC	N	B	FAX FLASH ROM	[Australia,New Zealand]
	VHi29L32009QS	BC	N	B	FAX FLASH ROM	[Other Countries]
24	TLABF0588QSZZ	AC	N	D	Circuit authorization label	[U.S.A,Canada]
	TLABG0613QSZZ	AE	N	D	Circuit authorization label	[Australia,New Zealand]
25	SSAKA0006UCZZ	AA		D	Vinyl bag(50×60mm)	
26	QCNWG0013QSZZ	AF	N	C	Line cable	[U.S.A,Canada]
	QCNW-7252HSZZ	AR	N	C	Line cable	[Germany]
	QCNW-7253HSZZ	AT	N	C	Line cable	[France]
	QCNW-7254HSZZ	AP	N	C	Line cable	[Other Countries]
27	RADPA0002TSZZ	∗	N	B	AC adaptor	[U.kingdom]
	RADPA0003TSZZ	∗	N	B	AC adaptor	[Holland]
	RADPA0007TSZZ	∗	N	B	AC adaptor	[Spain]
	QPLGZ0001TSZZ	∗	N	C	Plug	[Switzerland]
28	SPAKP2374ACZZ	AD		D	Vinyl bag(250×360mm)	
29	LSUPP0001QSZZ	AC		C	LIU spacer	
101	TLABH0604QSZZ	AD	N	D	Line label	[Except U.S.A,Canada]
102	TLABH0605QSZZ	AD	N	D	TEL label	[Except U.S.A,Canada]
103	SSAKA2440QCZZ	AB		D	Vinyl bag(280×410mm)	[Europe]
104	TiNSX1405TSZZ	∗	N	D	Quick manual	[Denmark,Finland,Norway]
	TiNSH1406TSZZ	∗	N	D	Quick manual	[Holland]
	TiNSX1407TSZZ	∗	N	D	Quick manual	[Switzerland]
105	TLABG0371TSZZ	∗	N	D	LPD FAX label	[Spain]
108	TLABZ0622TSZZ	∗	N	D	White label	[Europe]
109	TLABP0576QSZZ	AD	N	D	FAX address label	

1 Packing material & Accessories



2 FAX main PWB unit

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
1	PCOVP1468FCZZ	AD		D	FAX battery cover [BT4]
2	QCNCM0149QSPZ	AT	N	C	Connector(TX25-50P-23ST-H1E) [CN5]
3	QCNCM0150QSPZ	AG	N	C	Connector(TX25-30P-6ST-H1E) [CN9]
4	QCNCM0151QSZZ	AE	N	C	Connector(RE-H062SD-1190) [SW1]
5	QCNCM7014SC0C	AA		C	Connector(B3B-PH-K-S) [CN7]
7	QSOCZ0094FCPZ	AL		C	Connector(DIM2-SD72AR-1131-F) [CN3,CN4]
8	RCRSC0014QSZZ	AH		B	Crystal(32.768KHz) [X2]
10	RCRUA0034QSPZ	AR	N	B	Crystal(19.6608MHz) [X1]
11	RCRUA0035QSPZ	AR	N	B	Crystal(40.6188MHz) [X5]
12	RCRUA0037QSPZ	AR	N	B	Crystal(16.0000MHz) [X3]
15	RMPTR4000ACZZ	AB		B	Block resistor(0Ω×4) [BR90,BR91,BR92,BR93]
16	RMPTR4101ACZZ	AB		B	Block resistor(100Ω×4) [BR102,BR103,BR104,BR105,BR106]
	RMPTR4101ACZZ	AB		B	Block resistor(100Ω×4) [BR107,BR108]
17	RMPTR4103ACZZ	AB		B	Block resistor(10KΩ×4) [BR32,BR33,BR34,BR35,BR36]
	RMPTR4103ACZZ	AB		B	Block resistor(10KΩ×4) [BR39,BR56,BR57,BR58,BR59]
	RMPTR4103ACZZ	AB		B	Block resistor(10KΩ×4) [BR60,BR94,BR95,BR96,BR97]
18	RMPTR4272ACZZ	AB		B	Block resistor(2.7KΩ×4) [BR145]
19	RMPTR4330ACZZ	AB		B	Block resistor(33Ω×4) [BR1,BR3,BR5,BR10,BR12]
	RMPTR4330ACZZ	AB		B	Block resistor(33Ω×4) [BR14,BR16,BR18,BR20,BR22]
	RMPTR4330ACZZ	AB		B	Block resistor(33Ω×4) [BR24,BR26,BR28,BR30,BR37]
	RMPTR4330ACZZ	AB		B	Block resistor(33Ω×4) [BR38,BR40,BR41,BR42,BR43]
	RMPTR4330ACZZ	AB		B	Block resistor(33Ω×4) [BR44,BR45,BR46,BR47,BR48]
	RMPTR4330ACZZ	AB		B	Block resistor(33Ω×4) [BR49,BR50,BR51,BR52,BR53]
	RMPTR4330ACZZ	AB		B	Block resistor(33Ω×4) [BR54,BR55,BR61,BR62,BR63]
	RMPTR4330ACZZ	AB		B	Block resistor(33Ω×4) [BR64,BR65,BR66,BR67,BR68]
	RMPTR4330ACZZ	AB		B	Block resistor(33Ω×4) [BR69,BR70,BR71,BR72,BR73]
	RMPTR4330ACZZ	AB		B	Block resistor(33Ω×4) [BR74,BR76,BR77,BR78,BR80]
	RMPTR4330ACZZ	AB		B	Block resistor(33Ω×4) [BR81,BR82,BR83,BR84,BR85]
	RMPTR4330ACZZ	AB		B	Block resistor(33Ω×4) [BR98,BR99,BR100,BR101,BR109]
	RMPTR4330ACZZ	AB		B	Block resistor(33Ω×4) [BR110,BR112,BR113,BR114,BR115]
	RMPTR4330ACZZ	AB		B	Block resistor(33Ω×4) [BR116,BR117,BR118,BR119,BR120]
	RMPTR4330ACZZ	AB		B	Block resistor(33Ω×4) [BR121,BR122,BR123,BR124,BR125]
	RMPTR4330ACZZ	AB		B	Block resistor(33Ω×4) [BR126,BR127,BR128,BR129,BR130]
	RMPTR4330ACZZ	AB		B	Block resistor(33Ω×4) [BR131,BR132,BR133,BR138,BR139]
	RMPTR4330ACZZ	AB		B	Block resistor(33Ω×4) [BR140,BR141,BR146,BR147,BR148,BR149]
20	RMPTR4472ACZZ	AB		B	Block resistor(4.7KΩ×4) [BR7,BR8,BR9]
⚠ 22	UBATi0014FCZZ	AN		B	Battery(CR2477-H01) [BT1]
23	VCCCCZ1EH271J	AA		C	Capacitor(25WV 270pF) [C5]
25	VCCCCZ1HH101J	AA		C	Capacitor(50WV 100pF) [C84,C85,C86,C87,C88]
	VCCCCZ1HH101J	AA		C	Capacitor(50WV 100pF) [C91,C92,C93,C94,C95]
	VCCCCZ1HH101J	AA		C	Capacitor(50WV 100pF) [C97,C121,C187,C205,C321]
	VCCCCZ1HH101J	AA		C	Capacitor(50WV 100pF) [C322,C323,C324,C325,C326]
	VCCCCZ1HH101J	AA		C	Capacitor(50WV 100pF) [C327,C328,C329,C330,C331]
	VCCCCZ1HH101J	AA		C	Capacitor(50WV 100pF) [C332,C333,C334,C335,C336,C354]
26	VCCCCZ1HH151J	AC		C	Capacitor(50WV 150pF) [C68,C71]
27	VCCUCY1AJ105Z	AC		C	Capacitor(10WV 1.0μF) [C183,C186]
29	VCEASM1CM106M	AB		C	Capacitor(16WV 10μF) [C59,C62,C65,C66]
33	VCKYCZ1AB273K	AB		C	Capacitor(10WV 0.027μF) [C176]
34	VCKYCZ1CF104Z	AB		C	Capacitor(16WV 0.1μF) [C1,C2,C3,C4,C8]
	VCKYCZ1CF104Z	AB		C	Capacitor(16WV 0.1μF) [C11,C12,C13,C14,C15]
	VCKYCZ1CF104Z	AB		C	Capacitor(16WV 0.1μF) [C16,C17,C18,C19,C20]
	VCKYCZ1CF104Z	AB		C	Capacitor(16WV 0.1μF) [C21,C22,C23,C24,C25]
	VCKYCZ1CF104Z	AB		C	Capacitor(16WV 0.1μF) [C26,C27,C28,C32,C33]
	VCKYCZ1CF104Z	AB		C	Capacitor(16WV 0.1μF) [C36,C37,C38,C39,C40]
	VCKYCZ1CF104Z	AB		C	Capacitor(16WV 0.1μF) [C41,C43,C46,C47,C48]
	VCKYCZ1CF104Z	AB		C	Capacitor(16WV 0.1μF) [C49,C54,C57,C58,C60]
	VCKYCZ1CF104Z	AB		C	Capacitor(16WV 0.1μF) [C61,C63,C67,C70,C75]
	VCKYCZ1CF104Z	AB		C	Capacitor(16WV 0.1μF) [C77,C79,C98,C100,C101]
	VCKYCZ1CF104Z	AB		C	Capacitor(16WV 0.1μF) [C102,C103,C104,C105,C106]
	VCKYCZ1CF104Z	AB		C	Capacitor(16WV 0.1μF) [C107,C108,C109,C110,C111]
	VCKYCZ1CF104Z	AB		C	Capacitor(16WV 0.1μF) [C112,C113,C115,C116,C117]
	VCKYCZ1CF104Z	AB		C	Capacitor(16WV 0.1μF) [C118,C119,C120,C122,C123]
	VCKYCZ1CF104Z	AB		C	Capacitor(16WV 0.1μF) [C124,C125,C126,C127,C128]
	VCKYCZ1CF104Z	AB		C	Capacitor(16WV 0.1μF) [C129,C130,C131,C132,C133]
	VCKYCZ1CF104Z	AB		C	Capacitor(16WV 0.1μF) [C135,C136,C137,C138,C139]
	VCKYCZ1CF104Z	AB		C	Capacitor(16WV 0.1μF) [C140,C141,C142,C143,C144]
	VCKYCZ1CF104Z	AB		C	Capacitor(16WV 0.1μF) [C145,C146,C147,C151,C153]
	VCKYCZ1CF104Z	AB		C	Capacitor(16WV 0.1μF) [C154,C156,C159,C160,C161]
	VCKYCZ1CF104Z	AB		C	Capacitor(16WV 0.1μF) [C162,C163,C164,C165,C166]
	VCKYCZ1CF104Z	AB		C	Capacitor(16WV 0.1μF) [C167,C168,C169,C170,C171]
	VCKYCZ1CF104Z	AB		C	Capacitor(16WV 0.1μF) [C172,C173,C174,C175,C177]
	VCKYCZ1CF104Z	AB		C	Capacitor(16WV 0.1μF) [C178,C179,C180,C182,C189]
	VCKYCZ1CF104Z	AB		C	Capacitor(16WV 0.1μF) [C190,C193,C194,C195,C196]
	VCKYCZ1CF104Z	AB		C	Capacitor(16WV 0.1μF) [C197,C198,C199,C200,C201]
	VCKYCZ1CF104Z	AB		C	Capacitor(16WV 0.1μF) [C203,C204,C206,C207,C208]
	VCKYCZ1CF104Z	AB		C	Capacitor(16WV 0.1μF) [C209,C210,C211,C212,C213]
	VCKYCZ1CF104Z	AB		C	Capacitor(16WV 0.1μF) [C214,C215,C216,C217,C218]
	VCKYCZ1CF104Z	AB		C	Capacitor(16WV 0.1μF) [C219,C220,C221,C222,C223]
	VCKYCZ1CF104Z	AB		C	Capacitor(16WV 0.1μF) [C225,C226,C227,C228,C234]
	VCKYCZ1CF104Z	AB		C	Capacitor(16WV 0.1μF) [C235,C236,C237,C238,C239]

2 FAX main PWB unit

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION	
34	VCKYCZ1CF104Z	AB		C	Capacitor(16WV 0.1μF)	[C240,C243,C246,C247,C249]
	VCKYCZ1CF104Z	AB		C	Capacitor(16WV 0.1μF)	[C251,C252,C264,C265,C266]
	VCKYCZ1CF104Z	AB		C	Capacitor(16WV 0.1μF)	[C274,C275,C276,C277,C278]
	VCKYCZ1CF104Z	AB		C	Capacitor(16WV 0.1μF)	[C279,C280,C281,C282,C283]
	VCKYCZ1CF104Z	AB		C	Capacitor(16WV 0.1μF)	[C284,C285,C286,C287,C288]
	VCKYCZ1CF104Z	AB		C	Capacitor(16WV 0.1μF)	[C289,C290,C291,C292,C293]
	VCKYCZ1CF104Z	AB		C	Capacitor(16WV 0.1μF)	[C294,C295,C296,C297,C298]
	VCKYCZ1CF104Z	AB		C	Capacitor(16WV 0.1μF)	[C299,C300,C301,C302,C303]
	VCKYCZ1CF104Z	AB		C	Capacitor(16WV 0.1μF)	[C304,C305,C306,C307,C308]
	VCKYCZ1CF104Z	AB		C	Capacitor(16WV 0.1μF)	[C309,C310,C311,C312,C313]
	VCKYCZ1CF104Z	AB		C	Capacitor(16WV 0.1μF)	[C314,C315,C316,C317,C318]
	VCKYCZ1CF104Z	AB		C	Capacitor(16WV 0.1μF)	[C319,C320,C337,C338,C339]
	VCKYCZ1CF104Z	AB		C	Capacitor(16WV 0.1μF)	[C340,C341,C342,C343,C344]
	VCKYCZ1CF104Z	AB		C	Capacitor(16WV 0.1μF)	[C345,C346,C347,C348,C349]
35	VCKYCZ1HB102K	AA		C	Capacitor(50WV 1000pF)	[C29,C30,C82,C83,C89]
	VCKYCZ1HB102K	AA		C	Capacitor(50WV 1000pF)	[C90,C96,C244,C268,C269,C270]
36	VCKYCZ1HB222K	AA		C	Capacitor(50WV 2200pF)	[C50,C149,C250]
37	VCKYCZ1HB471K	AA		C	Capacitor(50WV 470pF)	[C9,C10]
38	VCKYCZ1HB472K	AA		C	Capacitor(50WV 4700pF)	[C245]
39	VCKYCZ1HF103Z	AA		C	Capacitor(50WV 0.01μF)	[C72,C73,C150]
40	VHD1SS355//−1	AB		B	Diode(1SS355)	[D2,D3,D9,D11]
41	VHDDA204K//−1	AC		B	Diode(DA204K)	[D13,D1]
42	VHEUDZ2.0B/−1	AC		B	Zener diode(UDZ2.0B)	[ZD1,ZD2,ZD3,ZD4]
47	VHi74LCX00FT1	AE		B	IC(74LCX00FT1)	[IC38]
48	VHi74LCX08FT1	AF		B	IC(74LCX08FT1)	[IC35]
49	VHi74LCX14FT1	AF		B	IC(74LCX14FT1)	[IC29,IC30,IC31,IC36,IC52]
50	VHi74LCX244FT	AH		B	IC(TC74LCX244)	[IC45,IC2]
51	VHi74LCX32FT/	AE		B	IC(74LCX32FT)	[IC37]
52	VHiLM1117I8−1	AH		B	IC(LM1117MPX-1.8)	[IC14]
54	VHiMN86065+−1	BN		B	IC(MN86065)	[IC16]
55	VHiN195006E−1	BK		B	IC(MN195006E)	[IC19]
56	VHiNJM2113M−1	AG		B	IC(NJM2113-M)	[IC28]
59	VHiPST3426U−1	AE		B	IC(PST3426)	[IC13]
60	VHiPST591iM−1	AG		B	IC(PST591IMT)	[IC7]
61	VHiSD4M16L1−1	AZ		B	IC(SD4M16L1)	[IC8,IC9]
62	VHiSH770910−1	BH		B	IC(HD6417709AF100)	[IC1]
64	VHiSM8578BV−1	AK		B	IC(SM8578BV)	[IC10]
66	VHiT4052BFF−1	AG	N	B	IC(TC4052BF)	[IC26]
70	VRS−CZ1JD000J	AA		C	Resistor(1/16W 0Ω ±5%)	[R9,R14,R18,R26,R32]
	VRS−CZ1JD000J	AA		C	Resistor(1/16W 0Ω ±5%)	[R37,R45,R49,R53,R54]
	VRS−CZ1JD000J	AA		C	Resistor(1/16W 0Ω ±5%)	[R79,R118,R123,R124,R127]
	VRS−CZ1JD000J	AA		C	Resistor(1/16W 0Ω ±5%)	[R130,R158,R159,R161,R162]
	VRS−CZ1JD000J	AA		C	Resistor(1/16W 0Ω ±5%)	[R163,R164,R170,R171,R172]
	VRS−CZ1JD000J	AA		C	Resistor(1/16W 0Ω ±5%)	[R173,R174,R175,R204,R205]
	VRS−CZ1JD000J	AA		C	Resistor(1/16W 0Ω ±5%)	[R221,R222,R232,R233,R235]
	VRS−CZ1JD000J	AA		C	Resistor(1/16W 0Ω ±5%)	[R240,R242,R246,R279,R280]
	VRS−CZ1JD000J	AA		C	Resistor(1/16W 0Ω ±5%)	[R283,R284,R286,R287,R288]
	VRS−CZ1JD000J	AA		C	Resistor(1/16W 0Ω ±5%)	[R289,R295,R300,R342,R350]
	VRS−CZ1JD000J	AA		C	Resistor(1/16W 0Ω ±5%)	[R360,R379,R381,R382,R386]
	VRS−CZ1JD000J	AA		C	Resistor(1/16W 0Ω ±5%)	[R388,R390,R392,R397,R399]
	VRS−CZ1JD000J	AA		C	Resistor(1/16W 0Ω ±5%)	[R401,R504,R505,R538,R540]
71	VRS−CZ1JD101J	AA		C	Resistor(1/16W 100Ω ±5%)	[R3,R4,R19,R60,R63]
	VRS−CZ1JD101J	AA		C	Resistor(1/16W 100Ω ±5%)	[R148,R149,R156,R157,R165]
	VRS−CZ1JD101J	AA		C	Resistor(1/16W 100Ω ±5%)	[R188,R231,R254,R296,R367]
	VRS−CZ1JD101J	AA		C	Resistor(1/16W 100Ω ±5%)	[R373,R375,R376,R393,R395]
	VRS−CZ1JD101J	AA		C	Resistor(1/16W 100Ω ±5%)	[R526,R527,R528,R529]
72	VRS−CZ1JD102J	AA		C	Resistor(1/16W 1.0KΩ ±5%)	[R73,R75,R85,R103,R112]
	VRS−CZ1JD102J	AA		C	Resistor(1/16W 1.0KΩ ±5%)	[R119,R208,R211,R345,R361]
	VRS−CZ1JD102J	AA		C	Resistor(1/16W 1.0KΩ ±5%)	[R508,R509,R510,R511]
73	VRS−CZ1JD103J	AA		C	Resistor(1/16W 10KΩ ±5%)	[R12,R17,R22,R23,R28]
	VRS−CZ1JD103J	AA		C	Resistor(1/16W 10KΩ ±5%)	[R31,R35,R38,R39,R41]
	VRS−CZ1JD103J	AA		C	Resistor(1/16W 10KΩ ±5%)	[R42,R44,R47,R51,R61]
	VRS−CZ1JD103J	AA		C	Resistor(1/16W 10KΩ ±5%)	[R62,R64,R65,R74,R76]
	VRS−CZ1JD103J	AA		C	Resistor(1/16W 10KΩ ±5%)	[R77,R78,R86,R90,R91]
	VRS−CZ1JD103J	AA		C	Resistor(1/16W 10KΩ ±5%)	[R92,R93,R94,R95,R96]
	VRS−CZ1JD103J	AA		C	Resistor(1/16W 10KΩ ±5%)	[R98,R99,R102,R104,R111]
	VRS−CZ1JD103J	AA		C	Resistor(1/16W 10KΩ ±5%)	[R137,R138,R139,R140,R141]
	VRS−CZ1JD103J	AA		C	Resistor(1/16W 10KΩ ±5%)	[R142,R143,R144,R145,R146]
	VRS−CZ1JD103J	AA		C	Resistor(1/16W 10KΩ ±5%)	[R167,R168,R213,R214,R215]
	VRS−CZ1JD103J	AA		C	Resistor(1/16W 10KΩ ±5%)	[R216,R217,R219,R228,R229]
	VRS−CZ1JD103J	AA		C	Resistor(1/16W 10KΩ ±5%)	[R346,R353,R354,R357,R358]
	VRS−CZ1JD103J	AA		C	Resistor(1/16W 10KΩ ±5%)	[R359,R362,R363,R364,R365]
	VRS−CZ1JD103J	AA		C	Resistor(1/16W 10KΩ ±5%)	[R369,R370,R371,R372,R416]
	VRS−CZ1JD103J	AA		C	Resistor(1/16W 10KΩ ±5%)	[R422,R423,R512]
74	VRS−CZ1JD104J	AA		C	Resistor(1/16W 100KΩ ±5%)	[R352,R338]
75	VRS−CZ1JD105J	AA		C	Resistor(1/16W 1.0MΩ ±5%)	[R335,R336]
76	VRS−CZ1JD153J	AA		C	Resistor(1/16W 15KΩ ±5%)	[R250]
77	VRS−CZ1JD162J	AA		C	Resistor(1/16W 1.6KΩ ±5%)	[R125,R128,R334]

2 FAX main PWB unit

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION	
78	VRS−CZ1JD183J	AA		C	Resistor(1/16W 18KΩ ±5%)	[R348]
79	VRS−CZ1JD202J	AA		C	Resistor(1/16W 2.0KΩ ±5%)	[R230]
80	VRS−CZ1JD203J	AA		C	Resistor(1/16W 20KΩ ±5%)	[R122,R245,R331]
81	VRS−CZ1JD204J	AA		C	Resistor(1/16W 200KΩ ±5%)	[R355]
82	VRS−CZ1JD220J	AA		C	Resistor(1/16W 22Ω ±5%)	[R424,R425,R426,R427,R428]
	VRS−CZ1JD220J	AA		C	Resistor(1/16W 22Ω ±5%)	[R429,R430,R431,R432,R433]
	VRS−CZ1JD220J	AA		C	Resistor(1/16W 22Ω ±5%)	[R434,R435,R436,R437,R438]
	VRS−CZ1JD220J	AA		C	Resistor(1/16W 22Ω ±5%)	[R439,R440,R441,R442,R443]
	VRS−CZ1JD220J	AA		C	Resistor(1/16W 22Ω ±5%)	[R444,R445,R446,R447,R448]
	VRS−CZ1JD220J	AA		C	Resistor(1/16W 22Ω ±5%)	[R449,R450,R451,R452,R453]
	VRS−CZ1JD220J	AA		C	Resistor(1/16W 22Ω ±5%)	[R454,R455,R456,R457,R458]
	VRS−CZ1JD220J	AA		C	Resistor(1/16W 22Ω ±5%)	[R459,R460,R461,R462,R463]
	VRS−CZ1JD220J	AA		C	Resistor(1/16W 22Ω ±5%)	[R464,R465,R466,R467,R468]
	VRS−CZ1JD220J	AA		C	Resistor(1/16W 22Ω ±5%)	[R518,R519,R520,R521,R522]
	VRS−CZ1JD220J	AA		C	Resistor(1/16W 22Ω ±5%)	[R523,R524,R525]
83	VRS−CZ1JD222J	AA		C	Resistor(1/16W 2.2KΩ ±5%)	[R101,R110,R236]
84	VRS−CZ1JD223J	AA		C	Resistor(1/16W 22KΩ ±5%)	[R356,R257]
85	VRS−CZ1JD272J	AA		C	Resistor(1/16W 2.7KΩ ±5%)	[R516]
86	VRS−CZ1JD330J	AA		C	Resistor(1/16W 33Ω ±5%)	[R7,R8,R13,R46,R48]
	VRS−CZ1JD330J	AA		C	Resistor(1/16W 33Ω ±5%)	[R55,R56,R57,R58,R59]
	VRS−CZ1JD330J	AA		C	Resistor(1/16W 33Ω ±5%)	[R66,R67,R68,R69,R70]
	VRS−CZ1JD330J	AA		C	Resistor(1/16W 33Ω ±5%)	[R80,R81,R83,R84,R87]
	VRS−CZ1JD330J	AA		C	Resistor(1/16W 33Ω ±5%)	[R88,R89,R97,R100,R109]
	VRS−CZ1JD330J	AA		C	Resistor(1/16W 33Ω ±5%)	[R117,R129,R136,R147,R150]
	VRS−CZ1JD330J	AA		C	Resistor(1/16W 33Ω ±5%)	[R151,R152,R153,R154,R155]
	VRS−CZ1JD330J	AA		C	Resistor(1/16W 33Ω ±5%)	[R160,R166,R176,R177,R178]
	VRS−CZ1JD330J	AA		C	Resistor(1/16W 33Ω ±5%)	[R179,R180,R181,R182,R183]
	VRS−CZ1JD330J	AA		C	Resistor(1/16W 33Ω ±5%)	[R184,R186,R187,R189,R190]
	VRS−CZ1JD330J	AA		C	Resistor(1/16W 33Ω ±5%)	[R191,R192,R193,R194,R195]
	VRS−CZ1JD330J	AA		C	Resistor(1/16W 33Ω ±5%)	[R196,R197,R198,R199,R200]
	VRS−CZ1JD330J	AA		C	Resistor(1/16W 33Ω ±5%)	[R201,R210,R220,R223,R227]
	VRS−CZ1JD330J	AA		C	Resistor(1/16W 33Ω ±5%)	[R238,R239,R247,R274,R290]
	VRS−CZ1JD330J	AA		C	Resistor(1/16W 33Ω ±5%)	[R294,R297,R298,R303,R304]
	VRS−CZ1JD330J	AA		C	Resistor(1/16W 33Ω ±5%)	[R305,R306,R308,R311,R312]
	VRS−CZ1JD330J	AA		C	Resistor(1/16W 33Ω ±5%)	[R313,R374,R378,R383,R384]
	VRS−CZ1JD330J	AA		C	Resistor(1/16W 33Ω ±5%)	[R391,R396,R400,R407,R409]
	VRS−CZ1JD330J	AA		C	Resistor(1/16W 33Ω ±5%)	[R421,R501,R503,R513,R514]
	VRS−CZ1JD330J	AA		C	Resistor(1/16W 33Ω ±5%)	[R515,R517,R542,R543,R544]
	VRS−CZ1JD330J	AA		C	Resistor(1/16W 33Ω ±5%)	[R545,R546,R547,R548,R549]
	VRS−CZ1JD330J	AA		C	Resistor(1/16W 33Ω ±5%)	[R550,R551,R552,R553,R554,R555]
87	VRS−CZ1JD331F	AA		C	Resistor(1/16W 330Ω ±1%)	[R34]
88	VRS−CZ1JD332J	AA		C	Resistor(1/16W 3.3KΩ ±5%)	[R5,R332,R341,R343,R417]
89	VRS−CZ1JD333J	AA		C	Resistor(1/16W 33KΩ ±5%)	[R349]
90	VRS−CZ1JD361J	AF		C	Resistor(1/16W 360Ω ±5%)	[R120]
91	VRS−CZ1JD470J	AA		C	Resistor(1/16W 47Ω ±5%)	[R30,R275,R318,R410,R530]
	VRS−CZ1JD470J	AA		C	Resistor(1/16W 47Ω ±5%)	[R531,R532,R533,R534,R535]
	VRS−CZ1JD470J	AA		C	Resistor(1/16W 47Ω ±5%)	[R536,R539,R557]
92	VRS−CZ1JD472J	AA		C	Resistor(1/16W 4.7KΩ ±5%)	[R1,R2,R6,R185,R237]
	VRS−CZ1JD472J	AA		C	Resistor(1/16W 4.7KΩ ±5%)	[R249,R251,R252,R291,R292,R299]
93	VRS−CZ1JD473J	AA		C	Resistor(1/16W 47KΩ ±5%)	[R253,R258,R259,R260,R261]
	VRS−CZ1JD473J	AA		C	Resistor(1/16W 47KΩ ±5%)	[R262,R263,R264,R265,R266]
	VRS−CZ1JD473J	AA		C	Resistor(1/16W 47KΩ ±5%)	[R267,R268,R269,R271,R273]
94	VRS−CZ1JD512J	AA		C	Resistor(1/16W 5.1kΩ ±5%)	[R344]
95	VRS−CZ1JD561J	AA		C	Resistor(1/16W 560Ω ±5%)	[R121]
96	VRS−CZ1JD562J	AA		C	Resistor(1/16W 5.6KΩ ±5%)	[R113,R105]
97	VRS−CZ1JD563J	AA		C	Resistor(1/16W 56KΩ ±5%)	[R330,R333,R340,R347]
99	VRS−CZ1JD623J	AA		C	Resistor(1/16W 62KΩ ±5%)	[R351]
100	VRS−CZ1JD682J	AA		C	Resistor(1/16W 6.8KΩ ±5%)	[R10]
102	VRS−CZ1JD753J	AA		C	Resistor(1/16W 75KΩ ±5%)	[R366]
103	VRS−CZ1JD821J	AA		C	Resistor(1/16W 820Ω ±5%)	[R15,R16,R20,R21]
104	VRS−CZ1JD823J	AA		C	Resistor(1/16W 82KΩ ±5%)	[R126]
106	VRS−TS2AD471J	AA		C	Resistor(1/10W 470Ω ±5%)	[R114,R106]
108	VSDTC363EKA−1	AC		B	Transistor(DTC363EKA)	[Q8,Q9,Q10,Q11,Q12]
	VSDTC363EKA−1	AC		B	Transistor(DTC363EKA)	[Q13,Q14]
	(Unit)					
901	CPWBX0171QS32	CQ	N	E	FAX main PWB unit	[U.S.A,Canada]

3 TEL/LIU PWB unit

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION	
1	QCNCW0069QSZZ	AK		C	Connector(TX24-30R-12ST-H1)	[CN1]
2	QJAKT0001FCZZ	AD		C	Connector(MJ-62J-RD315)	[MJ2]
3	QJAKT0004QSZZ	AE		C	Connector(MJ-64J-RD315)	[MJ1]
8	RCiLZ0008QSZZ	AD		C	Coil(1mH 250mA)	[Except U.S.A,Canada][L6]
9	RCiLZ0089FCZZ	AG		C	Coil(ST110AV)	[L21]
10	RCORF1003MCZZ	AC		C	Coil(BLM31AJ601SN1L)	[L11,L12,L27,L28]
11	RCiLZ7012XCZZ	AC		C	Beads core(B-01-AT1F)	[L32,L34]
13	RFiLN2011SCZZ	AC		C	Coil(SBT-0260)	[L9,L10,L24,L25]
19	VCCCCY1HH100D	AA		C	Capacitor(50WV 10pF)	[C68]
20	VCCCCY1HH330J	AA		C	Capacitor(50WV 33pF)	[C66,C67]
23	RC-EZ0365FCPZ	AB	N	C	Capacitor(50WV 47μF)	[C38,C39]
25	VCFYPU2EA474K	AF		C	Capacitor(250WV 0.47μF)	[U.S.A,Canada][C25]
26	VCFYJU2EA224K	AD		C	Capacitor(250WV 0.22μF)	[Except U.S.A,Canada][C25]
27	VCKYCY1CB104K	AB		C	Capacitor(16WV 0.1μF)	[C47,C51,C52,C115]
28	VCKYCY1HB103K	AA		C	Capacitor(50WV 0.01μF)	[C48]
29	VCKYCY1HB182K	AA		C	Capacitor(50WV 1800pF)	[C50]
30	VCKYCY1HB332K	AA		C	Capacitor(50WV 3300pF)	[C56,C60]
31	VCKYCZ1CF104Z	AB		C	Capacitor(16WV 0.1μF)	[C35,C40,C41]
	VCKYCZ1CF104Z	AB		C	Capacitor(16WV 0.1μF)	[Except U.S.A,Canada][C92]
32	VCKYCZ1HB102K	AA		C	Capacitor(50WV 1000pF)	[C72,C94]
	VCKYCZ1HB102K	AA		C	Capacitor(50WV 1000pF)	[U.S.A,Canada][C95]
33	VCKYTV1CB105K	AC		C	Capacitor(16WV 1μF)	[C43]
34	VCKYTV1CB224K	AC		C	Capacitor(16WV 0.22μF)	[C42,C49]
35	VCKYTV1CB684K	AC		C	Capacitor(16WV 0.68μF)	[C53]
36	VCKYTW1HB104K	AC		C	Capacitor(50WV 0.1μF)	[C45]
37	VHD1SS355//-1	AB		B	Diode(1SS355)	[D2,D5]
38	VHDDAN217//-1	AC		B	Diode(DAN217)	[D6,D7]
39	VHDS1ZB60//-1	AC		B	Diode(S1ZB60)	[D8]
40	VHEHZS2A1//-1	AB		B	Zener Diode(HZS2A1TD)	[U.S.A,Canada][ZD24,ZD25]
41	VHEMTZJ30B/-1	AB		B	Diode(HZ3B1)	[ZD12]
43	VHERLZ5.6B/-1	AC		B	Zener diode(RLZ5.6B)	[ZD17,ZD19]
44	VHiTC7SET08F/	AE		B	IC(TC7SET08F)	[Except U.S.A,Canada][IC9]
45	VHiSi3015FS-1	AZ		B	IC(Si3015-FSR)	[IC4]
46	VHiSi3021FS-1	AU		B	IC(Si3021-FSR)	[IC3]
47	VHiTHS56F//-1	AS		B	IC(THS56F)	[Except U.S.A,Canada][IC6]
48	VHPTLP620-1GB	AH		B	Photo transistor(TLP620)	[U.S.A,Canada][PC11]
49	VHPTLP621-1GB	AF		B	Photo coupler(TLP621)	[PC6]
50	VHVDSS301L/-1	AF		B	Varistor(DSS301L)	[Except U.S.A,Canada][SA6,SA7]
51	VHVDSS-401M//	AH		B	Arrestor(DSS-401M)	[SA4,SA5]
	VHVDSS-401M//	AH		B	Arrestor(DSS-401M)	[U.S.A,Canada][SA6,SA7]
52	VRD-HT2EY000J	AA		C	Resistor(1/4W 0Ω ±5%)	[F2,L15]
	VRD-HT2EY000J	AA		C	Resistor(1/4W 0Ω ±5%)	[U.S.A,Canada][L13,L14]
	VRD-HT2EY000J	AA		C	Resistor(1/4W 0Ω ±5%)	[Except U.S.A,Canada][R205]
53	VRD-HT2EY100J	AA		C	Resistor(1/4W 10Ω ±5%)	[Except U.S.A,Canada][R251,R252]
54	VRD-HT2EY300J	AA		C	Resistor(1/4W 30Ω ±5%)	[U.S.A,Canada][R206]
55	VRD-HT2EY910J	AA		C	Resistor(1/4W 91Ω ±5%)	[U.S.A,Canada][R205]
56	VRS-CY1JD000J	AA		C	Resistor(1/16W 0Ω ±5%)	[R183,R198,R209,R255,R262]
	VRS-CY1JD000J	AA		C	Resistor(1/16W 0Ω ±5%)	[R263,R266,R281,R282]
57	VRS-CY1JD103J	AA		C	Resistor(1/16W 10KΩ ±5%)	[R253,R264]
58	VRS-CY1JD104F	AA		C	Resistor(1/16W 100KΩ ±1%)	[R184]
59	VRS-CY1JD106J	AA		C	Resistor(1/16W 10MΩ ±5%)	[R200,R201]
60	VRS-CY1JD124J	AA		C	Resistor(1/16W 120KΩ ±5%)	[R189]
61	VRS-CY1JD151J	AA		C	Resistor(1/16W 150Ω ±5%)	[R185]
62	VRSCY1JD2150F	AA		C	Resistor(1/16W 215Ω ±1%)	[R196]
63	VRS-CY1JD222J	AA		C	Resistor(1/16W 2.2KΩ ±5%)	[R186]
65	VRSCY1JD78R7F	AA		C	Resistor(1/16W 78.7Ω ±1%)	[R190]
67	VRS-CZ1JD000J	AA		C	Resistor(1/16W 0Ω ±5%)	[R278,R279,R280]
68	VRS-CZ1JD472J	AA		C	Resistor(1/16W 4.7KΩ ±5%)	[R299]
69	VRS-RA3AA103J	AB		C	Resistor(1W 10KΩ ±5%)	[U.S.A,Canada][R168]
70	VRS-HT3AA393J	AC		C	Resistor(1W 39KΩ ±5%)	[Except U.S.A,Canada][R168]
71	VRS-TS2AD100J	AA		C	Resistor(1/10W 10Ω ±5%)	[R187,R188]
72	VRS-TS2AD563J	AA		C	Resistor(1/10W 56KΩ ±5%)	[R199,R202]
73	VRS-TS2AD681J	AA		C	Resistor(1/10W 680Ω ±5%)	[R203,R204]
77	VSDTC114EK/-1	AB		B	Transistor(DTC114EK)	[Q130]
	VSDTC114EK/-1	AB		B	Transistor(DTC114EK)	[Except U.S.A,Canada][Q133]
78	VSDTD113ZK/-1	AC		B	Transistor(DTD113ZK)	[Q116]
	(Unit)					
901	CPWBN0173QS31	BQ	N	E	TEL/LIU PWB unit	[U.S.A,Canada]
	CPWBN0173QS32	BS	N	E	TEL/LIU PWB unit	[Except U.S.A,Canada]

■ Index

PARTS CODE	NO.	PRICE RANK	NEW MARK	PART RANK	
【C】					
CPLTP0378QS02	1- 7	AR	N	C	
CPNLH0040QS02	1- 9	AT	N	C	
CPWBF0178QS31	1- 11	AY	N	E	
CPWBN0173QS31	1- 22	BQ	N	E	
〃	3-901	BQ	N	E	
CPWBN0173QS32	1- 22	BS	N	E	
〃	3-901	BS	N	E	
CPWBX0171QS32	1- 20	CQ	N	E	
〃	2-901	CQ	N	E	
CPWBX0171QS33	1- 20	CQ	N	E	
CPWBX0171QS34	1- 20	CQ	N	E	
【D】					
DUNT-0533QS11	1- 6	BB	N	E	
【J】					
JBTN-0089QSZZ	1- 8	AP	N	C	
【L】					
LPLTM0383QSZZ	1- 19	AY	N	C	
LSUPP0001QSZZ	1- 29	AC		C	
LX-HZ0002QSZZ	1- 18	AC		C	
【M】					
MLEVP0109QSZZ	1- 10	AN	N	C	
【P】					
PCŌVP1468FCZZ	2- 1	AD		D	
【Q】					
QCNCM0149QSPZ	2- 2	AT	N	C	
QCNCM0150QSPZ	2- 3	AG	N	C	
QCNCM0151QSZZ	2- 4	AE	N	C	
QCNCM7014SC0C	2- 5	AA		C	
QCNCW0069QSZZ	3- 1	AK		C	
QCNW-7252HSZZ	1- 26	AR	N	C	
QCNW-7253HSZZ	1- 26	AT	N	C	
QCNW-7254HSZZ	1- 26	AP	N	C	
QCNWG0013QSZZ	1- 26	AF	N	C	
QJAKT0001FCZZ	3- 2	AD		C	
QJAKT0004QSZZ	3- 3	AE		C	
QPLGZ0001TSZZ	1- 27		N	C	
QSŌCZ0094FCPZ	2- 7	AL		C	
【R】					
RADPA0002TSZZ	1- 27		N	B	
RADPA0003TSZZ	1- 27		N	B	
RADPA0007TSZZ	1- 27		N	B	
RC-EZ0365FCPZ	3- 23	AB	N	C	
RCiLZ0008QSZZ	3- 8	AD		C	
RCiLZ0089FCZZ	3- 9	AG		C	
RCiLZ7012XCZZ	3- 11	AC		C	
RCŌRF1003MCZZ	3- 10	AC		C	
RCRSC0014QSZZ	2- 8	AH		B	
RCRUA0034QSPZ	2- 10	AR	N	B	
RCRUA0035QSPZ	2- 11	AR	N	B	
RCRUA0037QSPZ	2- 12	AR	N	B	
RFiLN2011SCZZ	3- 13	AC		C	
RMPTR4000ACZZ	2- 15	AB		B	
RMPTR4101ACZZ	2- 16	AB		B	
RMPTR4103ACZZ	2- 17	AB		B	
RMPTR4272ACZZ	2- 18	AB		B	
RMPTR4330ACZZ	2- 19	AB		B	
RMPTR4472ACZZ	2- 20	AB		B	
RSP-Z0001QSPZ	1- 17	AG	N	B	
【S】					
SPAK-547ECCZZ	1- 5	AB		D	
SPAKP2374ACZZ	1- 28	AD		D	
SSAKA0006UCZZ	1- 25	AA		D	
SSAKA2345QCZZ	1- 3	AC		D	
SSAKA2440QCZZ	1-103	AB		D	
【T】					
TCADZ0364QSZZ	1- 1	AN	N	D	
TCADZ0404TSZZ	1- 1		N	D	
TiNSE1363QSZZ	1- 2	BN	N	D	
TiNSE1400TSZZ	1- 2		N	D	
TiNSF1402TSZZ	1- 2		N	D	
TiNSH1406TSZZ	1-104		N	D	
TiNSi1403TSZZ	1- 2		N	D	
TiNSS1404TSZZ	1- 2		N	D	
TiNSX1401TSZZ	1- 2		N	D	
TiNSX1405TSZZ	1-104		N	D	
TiNSX1407TSZZ	1-104		N	D	
TLABF0588QSZZ	1- 24	AC	N	D	
TLABG0371TSZZ	1-105		N	D	

PARTS CODE	NO.	PRICE RANK	NEW MARK	PART RANK	
TLABG0613QSZZ	1- 24	AE	N	D	
TLABH0604QSZZ	1-101	AD	N	D	
TLABH0605QSZZ	1-102	AD	N	D	
TLABP0576QSZZ	1-109	AD	N	D	
TLABZ0622TSZZ	1-108		N	D	
【U】					
UBATi0014FCZZ	2- 22	AN		B	
【V】					
VCCCCY1HH100D	3- 19	AA		C	
VCCCCY1HH330J	3- 20	AA		C	
VCCCCZ1EH271J	2- 23	AA		C	
VCCCCZ1HH101J	2- 25	AA		C	
VCCCCZ1HH151J	2- 26	AC		C	
VCCUCY1AJ105Z	2- 27	AC		C	
VCEASM1CM106M	2- 29	AB		C	
VCFYJU2EA224K	3- 26	AD		C	
VCFYPU2EA474K	3- 25	AF		C	
VCKYCY1CB104K	3- 27	AB		C	
VCKYCY1HB103K	3- 28	AA		C	
VCKYCY1HB182K	3- 29	AA		C	
VCKYCY1HB332K	3- 30	AA		C	
VCKYCZ1AB273K	2- 33	AB		C	
VCKYCZ1CF104Z	2- 34	AB		C	
〃	3- 31	AB		C	
VCKYCZ1HB102K	2- 35	AA		C	
〃	3- 32	AA		C	
VCKYCZ1HB222K	2- 36	AA		C	
VCKYCZ1HB471K	2- 37	AA		C	
VCKYCZ1HB472K	2- 38	AA		C	
VCKYCZ1HF103Z	2- 39	AA		C	
VCKYTV1CB105K	3- 33	AC		C	
VCKYTV1CB224K	3- 34	AC		C	
VCKYTV1CB684K	3- 35	AC		C	
VCKYTW1HB104K	3- 36	AC		C	
VHD1SS355//-1	2- 40	AB		B	
〃	3- 37	AB		B	
VHDDA204K//-1	2- 41	AC		B	
VHDDAN217//-1	3- 38	AC		B	
VHDS1ZB60//-1	3- 39	AC		B	
VHEHZS2A1//-1	3- 40	AB		B	
VHEMTZJ30B/-1	3- 41	AB		B	
VHERLZ5.6B/-1	3- 43	AC		B	
VHEUDZ2.0B/-1	2- 42	AC		B	
VHi29L32007QS	1- 23	BC	N	B	
VHi29L32008QS	1- 23	BC	N	B	
VHi29L32009QS	1- 23	BC	N	B	
VHi74LCX00FT1	2- 47	AE		B	
VHi74LCX08FT1	2- 48	AF		B	
VHi74LCX14FT1	2- 49	AF		B	
VHi74LCX244FT	2- 50	AH		B	
VHi74LCX32FT/	2- 51	AE		B	
VHiLM111718-1	2- 52	AH		B	
VHiMN86065+-1	2- 54	BN		B	
VHiN195006E-1	2- 55	BK		B	
VHiNJM2113M-1	2- 56	AG		B	
VHiPST3426U-1	2- 59	AE		B	
VHiPST591iM-1	2- 60	AG		B	
VHiSD4M16L1-1	2- 61	AZ		B	
VHiSH770910-1	2- 62	BH		B	
VHiSi3015FS-1	3- 45	AZ		B	
VHiSi3021FS-1	3- 46	AU		B	
VHiSM8578BV-1	2- 64	AK		B	
VHiT4052BFF-1	2- 66	AG	N	B	
VHiTC7SET08F/	3- 44	AE		B	
VHiTHS56F//-1	3- 47	AS		B	
VHPTLP620-1GB	3- 48	AH		B	
VHPTLP621-1GB	3- 49	AF		B	
VHVDSS301L/-1	3- 50	AF		B	
VHVDSS-401M//	3- 51	AH		B	
VRD-HT2EY000J	3- 52	AA		C	
VRD-HT2EY100J	3- 53	AA		C	
VRD-HT2EY300J	3- 54	AA		C	
VRD-HT2EY910J	3- 55	AA		C	
VRS-CY1JD000J	3- 56	AA		C	
VRS-CY1JD103J	3- 57	AA		C	
VRS-CY1JD104F	3- 58	AA		C	
VRS-CY1JD106J	3- 59	AA		C	
VRS-CY1JD124J	3- 60	AA		C	
VRS-CY1JD151J	3- 61	AA		C	
VRSCY1JD2150F	3- 62	AA		C	
VRS-CY1JD222J	3- 63	AA		C	

PARTS CODE	NO.	PRICE RANK	NEW MARK	PART RANK	
VRSCY1JD78R7F	3- 65	AA		C	
VRS-CZ1JD000J	2- 70	AA		C	
〃	3- 67	AA		C	
VRS-CZ1JD101J	2- 71	AA		C	
VRS-CZ1JD102J	2- 72	AA		C	
VRS-CZ1JD103J	2- 73	AA		C	
VRS-CZ1JD104J	2- 74	AA		C	
VRS-CZ1JD105J	2- 75	AA		C	
VRS-CZ1JD153J	2- 76	AA		C	
VRS-CZ1JD162J	2- 77	AA		C	
VRS-CZ1JD183J	2- 78	AA		C	
VRS-CZ1JD202J	2- 79	AA		C	
VRS-CZ1JD203J	2- 80	AA		C	
VRS-CZ1JD204J	2- 81	AA		C	
VRS-CZ1JD220J	2- 82	AA		C	
VRS-CZ1JD222J	2- 83	AA		C	
VRS-CZ1JD223J	2- 84	AA		C	
VRS-CZ1JD272J	2- 85	AA		C	
VRS-CZ1JD330J	2- 86	AA		C	
VRS-CZ1JD331F	2- 87	AA		C	
VRS-CZ1JD332J	2- 88	AA		C	
VRS-CZ1JD333J	2- 89	AA		C	
VRS-CZ1JD361J	2- 90	AF		C	
VRS-CZ1JD470J	2- 91	AA		C	
VRS-CZ1JD472J	2- 92	AA		C	
〃	3- 68	AA		C	
VRS-CZ1JD473J	2- 93	AA		C	
VRS-CZ1JD512J	2- 94	AA		C	
VRS-CZ1JD561J	2- 95	AA		C	
VRS-CZ1JD562J	2- 96	AA		C	
VRS-CZ1JD563J	2- 97	AA		C	
VRS-CZ1JD623J	2- 99	AA		C	
VRS-CZ1JD682J	2-100	AA		C	
VRS-CZ1JD753J	2-102	AA		C	
VRS-CZ1JD821J	2-103	AA		C	
VRS-CZ1JD823J	2-104	AA		C	
VRS-HT3AA393J	3- 70	AC		C	
VRS-RA3AA103J	3- 69	AB		C	
VRS-TS2AD100J	3- 71	AA		C	
VRS-TS2AD471J	2-106	AA		C	
VRS-TS2AD563J	3- 72	AA		C	
VRS-TS2AD681J	3- 73	AA		C	
VSDTC114EK/-1	3- 77	AB		B	
VSDTC363EKA-1	2-108	AC		B	
VSDTD113ZK/-1	3- 78	AC		B	
【X】					
XBPS730P08KS0	1- 21	AB	N	C	
XEBSD30P08000	1- 12	AA		C	
XHBSE30P08000	1- 16	AA		C	

PARTS CODE	NO.	PRICE RANK	NEW MARK	PART RANK	

MEMO

CAUTION FOR BATTERY REPLACEMENT

(Danish) ADVARSEL !
Lithiumbatteri – Eksplosionsfare ved fejlagtig håndtering.
Udskiftning må kun ske med batteri
af samme fabrikat og type.
Levér det brugte batteri tilbage til leverandoren.

(English) Caution !
Danger of explosion if battery is incorrectly replaced.
Replace only with the same or equivalent type
recommended by the manufacturer.
Dispose of used batteries according to manufacturer's instructions.

(Finnish) VAROITUS
Paristo voi räjähtää, jos se on virheellisesti asennettu.
Vaihda paristo ainoastaan laitevalmistajan suosittelemaan
tyyppiin. Hävitä käytetty paristo valmistajan ohjeiden
mukaisesti.

(French) ATTENTION
Il y a danger d'explosion s' il y a remplacement incorrect
de la batterie. Remplacer uniquement avec une batterie du
même type ou d'un type équivalent recommandé par
le constructeur.
Mettre au rebut les batteries usagées conformément aux
instructions du fabricant.

(Swedish) VARNING
Explosionsfara vid felaktigt batteribyte.
Använd samma batterityp eller en ekvivalent
typ som rekommenderas av apparattillverkaren.
Kassera använt batteri enligt fabrikantens
instruktion.

(German) Achtung
Explosionsgefahr bei Verwendung inkorrekter Batterien.
Als Ersatzbatterien dürfen nur Batterien vom gleichen Typ oder
vom Hersteller empfohlene Batterien verwendet werden.
Entsorgung der gebrauchten Batterien nur nach den vom
Hersteller angegebenen Anweisungen.

CAUTION FOR BATTERY DISPOSAL

(For USA,CANADA)

Contains lithium-ion battery. Must be disposed of properly.
Remove the battery from the product and contact
federal or state environmental
agencies for information on recycling and disposal options.

SHARP

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